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January 15, 2016

Mr. Steven C. Riva, Chief
USEPA Region 2
Permitting Section, Air Programs Branch
290 Broadway
New York, NY 10007-1866

**Re: Draft Permit Number P71-OCMH-001
Ocean County Landfill Corporation**

Dear Mr. Riva,

Enclosed as directed is a copy of the current Ocean County Landfill Corporation (OCLC) Part 70 Permit (BOP150001) issued by the New Jersey Department of Environmental Protection (NJDEP), which includes modifications approved since OCLC filed an application for a Part 71 Permit as ordered by Region 2. This submission is part of OCLC's comments on the draft Part 71 Permit captioned above. As you've requested, it is being made in advance of additional comments on the draft Permit that OCLC will be submitting on or before January 29, 2016.

With one exception, OCLC requests incorporation of the modifications listed on the attachment as approved by NJDEP into any Part 71 Permit issued. The exception is a necessary addition of two screeners (U66/E66 and U67/E67). Over OCLC's objections, and after consultation with Region 2, NJDEP permitted the screeners as stationary sources. However, they qualify, by definition, as non-road mobile engines. This is because each of the screeners are in fact mobile and will not remain stationary or at any one location at OCLC's solid waste facility for 12 months or more. Thus, the screener engines should be permitted as non-road mobile engines. The comments to be submitted by OCLC will support this position with respect to the RICE generators and, in doing so, will support treatment of the screener engines as non-road engines as well.

Also, as requested, below is a brief chronological history of the Modifications since the May 25, 2012 Part 71 application filing:

BOP120001

This approval merges the provisions of the previously approved operating permit and the changes from this minor modification into a single comprehensive permit that replaces the permit previously issued. This minor

modification includes the requirements for clarification of type of portable flare, designated as CD11 as open flare, and is permissible pursuant to Federal Regulation 40 CFR 60.752(b)(2)(iii)(A).

BOP130001

This approval merges the provisions of previously approved operating permit and the changes from this significant modification into a single comprehensive permit that replaces the permit previously issued. This significant modification adds two new screeners having 300 tons per hour each of capacity and each powered by 174 HP diesel engines, and one Diesel fueled Emergency Generator (337 HP) for existing Flare station.

BOP140001

This approval is for new Screener E66 with capacity of 300 tons per hour and operated by 79.5 kW Diesel engine, that replaced the screener E63. No change in emissions was requested.

BOP150002

Incorporation of GOP-003 for change in Emergency Generator hp rating and emissions.

BOP150001

This minor modification includes requirements for new Screener 2a U67/E67 with capacity of 300 tons per hour and operated by 90 kW Diesel engine, that replaced the placeholder for screener 2 U65/E64/PT64. In addition, this permit modification incorporated GOP-003 for a new emergency generator E69, which replaced E62. This permit modification eliminated PT4. Also, Emission Unit U64 was revised by replacing E40 with E1 for proper designation.

In addition to the information above and the latest Part 70 Permit attached, the following address comments and questions from Region 2 regarding these Minor Modifications:

- **Region 2 Question:** What are the model years for the Insignificant Source engines incorporated as Emission Units into the Part 71?

Response:

- o Below is a Table with the Year, Make and Model

Generator Year/Make/Model
(Purchased) 2005, Airman PowerPro 25, SDG25S
1997, Kohler Power System 20, 20ROZJ61
2010, MultiQuip PowerPro25, DCA-25SSIU3
2007, Airman PowerPro 45, SDG45S

- **Region 2 Question:** The Part 70 Operating Permit listed the detailed information of the Equipment permitted at OCLC. USEPA has requested more detail/specific description of the Make of Equipment ID E66 (Extec) and E67 (Doppstadt)

Response:

- o Equipment ID E66 is the Extec E7 which is a Deck Screen
- o Equipment ID E67 is the Doppstadt SM 720k which is a Trommel Screen

- **Region 2 Question:** Are there any hour limitations on engines at OCLC

Response:

- o Emission Units U66 and U67 have an annual limitation of 3,120 hours
- o Emission Unit U69 (emergency generator) has an annual, non-emergency hours limitation of 100 hours
- o The Insignificant Source engines do not have any hour limitations because they have been deemed insignificant based on size and the fact that they are portable sources not subject to stationary source requirements.

Thank you for considering the modifications listed on the attachment for inclusion into the draft Part 71 Permit, with the screeners treated as non-road engine.

Mr. Steven C. Riva
January 15, 2016
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If you have any questions, please call Marty Ryan of Ocean County Landfill (732-657-5100) or me (845-695-0221).

Sincerely,
Cornerstone Environmental Group, LLC

A handwritten signature in blue ink, appearing to read "Edwin P. Valis, Jr." with a stylized flourish at the end.

Edwin P. Valis, Jr.
Senior Project Manager

Attachments: Title V Operating Permit BOP150001

cc: L. Hesse, M. Ryan, L. Kiesel - OCLC
T. Schwartz, S. Ayres - Scarinci Hollenbeck
Kenneth von Schaumburg - Clark Hill PLC
P. Shaw, D. O'Dell, S. Miller - Cornerstone



State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT of ENVIRONMENTAL PROTECTION
AIR QUALITY, ENERGY AND SUSTAINABILITY
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

BOB MARTIN
Commissioner

Air Pollution Control Operating Permit Minor Modification and Preconstruction Approval

Permit Activity Number: BOP150001

Program Interest Number: 78931

Mailing Address	Plant Location
LAWRENCE C HESSE PRESIDENT OCEAN CNTY LANDFILL CORP 25 1ST AVE Atlantic Highlands, NJ 07716	OCEAN CNTY LANDFILL CORP 2498 Rt 70 Manchester Twp Ocean County, New Jersey

Initial Operating Permit Approval Date: 10/4/2004
Minor Modification Approval Date: 11/2/2015
Operating Permit Expiration Date: 10/03/2009 (operating under permit shield)

This minor modification is approved and issued under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). The equipment at the facility must be operated in accordance with the requirements of this permit.

This approval, in response to your application, merges the provisions of the previously approved operating permit and the changes from this minor modification into a single comprehensive permit that replaces the one previously issued. This minor modification includes the requirements for new Screener 2a U67/E67 with capacity of 300 tons per hour and operated by 90 kW Diesel engine, that replaced the placeholder for screener 2 U65/E64/PT64. In addition, this permit incorporated GOP-003 for a new emergency generator E69, which replaced E62. This permit eliminated PT4. Also, Emission Unit U64 was revised by replacing E40 with E1 for proper designation.

Equipment at the facility referenced by this minor modification **is not covered** by the permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17. Pursuant to N.J.A.C. 7:27-22.33(e), this minor modification consists of both a preconstruction approval and operating permit approval. This operating permit does not include compliance schedules as part of the approved compliance plan.

The permittee shall submit to the Department and to the EPA a periodic compliance certification, in accordance with N.J.A.C. 7:27-22.19. The certification shall be submitted electronically through the NJDEP online web portal – Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to DEP Online shall be obtained by following the instructions at: <http://www.state.nj.us/dep/online/>. The certification should be printed for submission to EPA. The schedule for compliance certifications set forth in the compliance plan in this operating permit. The annual compliance certification reporting period will cover the calendar year ending December 31. **The annual compliance certification is due to the Department and the EPA within 60 days after the end of each calendar year during which this permit was in effect.**

The annual compliance certification report may also be considered as your six month deviation report for the period from July 1 through December 31 which is due by January 30 of each year, as required by paragraph 13 in Section E, *General Provisions and Authorities*, of this permit, if the annual compliance certification is submitted by January 30.

New Jersey Department of Environmental Protection
Air & Environmental Quality Compliance & Enforcement
401 East State Street, P. O. Box 422
Trenton, New Jersey 08625-0422

United States Environmental Protection Agency, Region II
Air Compliance Branch
290 Broadway
New York, New York 10007-1866

New Jersey Department of Environmental Protection
Air and Environmental Quality Compliance & Enforcement
Central Regional Enforcement Office
Mail Code 22-03A
401 East State Street, PO Box 420
Trenton, NJ 08625-0420

Your facility's current approved operating permit and any previous versions (e.g. superseded, expired, or terminated) are now available for download in the PDF format at: <http://www.nj.gov/dep/aqpp/>. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interested (PI) Number as instructed on the screen. A RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories, and Compliance Schedules (if needed), can be obtained by contacting your permit writer. Upon importing this information into your personal computer with RADIUS software, you will have up-to-date information in RADIUS format. RADIUS software, instructions, and help are available at the Department's website at www.state.nj.us/dep/aqpp. We also have an Operating Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to someone about any questions you may have. The Operating Permit Help Line number is 609-633-8248.

If, in your judgment, the Department is imposing any unreasonable condition of approval in this permit modification action, you may contest the Department's decision on the modification and request an adjudicatory hearing pursuant to N.J.S.A. 52:14b-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information requested in N.J.A.C. 7:27-1.32 and the information on the enclosed Administrative Hearing Request Checklist and Tracking Form.

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application. The Operating Permit Renewal Application consists of a RADIUS application and the Application Attachment available in Portable Document Format (PDF) and MS Word format at the Department's website <http://www.nj.gov/dep/aqpp/applying.html> (check Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents (saved on a CD) must be submitted with a cover letter (paper copy). The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, an application for renewal of the operating permit shall include all of the information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that the Department can notify the applicant of any deficiencies in the application. This will allow the permittee to correct any deficiencies, and to better ensure that the application is administratively complete by the renewal deadline. Only applications which are timely and administratively complete will be eligible for coverage by an application shield.

Permittees that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. Details of the rule and guidance on how to prepare a plan can be found at EPA's website: www.epa.gov/ttn/emc/cam.html. In addition, CAM Plans must be included as part of the permit renewal application. Permittees that do not submit a CAM Plan may have their modification applications denied, pursuant to N.J.A.C. 7:27-22.3.

If you have any questions regarding this permit approval, please call your permit writer, Eleonora Kats, at (609) 984-5932.

Approved by:

A handwritten signature in black ink, appearing to read 'SAgrawal'.

Sunila Agrawal
Bureau of Stationary Sources

Enclosure

CC: S. Riva
United States Environmental Protection Agency, Region II
Air Compliance Branch
290 Broadway
New York, New York 10007-1866

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Name of the Facility	Program Interest (PI) Number	Permit Activity Number	Issuance Date
OCEAN CNTY LANDFILL CORP	78931	BOP150001	

II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	Address:
Telephone:	Telephone:

III. Please include the following information as part of your request:

- A. The date the permittee received the permit decision,
- B. One printed and two PDF (or scanned) copies of the document being appealed saved on two CDs – for submitting to address 1 below;
A PDF (or scanned) copy of all documents being submitted to the Office of Legal Affairs saved on a CD – for submitting to address 2 below;
- C. The legal and factual questions you are appealing;
- D. A statement as to whether or not you raised each legal and factual issues during the permit application process;
- E. Suggested revised or alternative permit conditions;
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Departments processing of your hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

- 1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, P.O. Box 402
Trenton, New Jersey 08625-0402
- 2. Mr. Bachir Bouzid
Bureau of Stationary Sources
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 East State Street, P.O. Box 402
Trenton, New Jersey 08625-0402
2. Mr. Bachir Bouzid
Bureau of Stationary Sources
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

Facility Name: OCEAN CNTY LANDFILL CORP
Program Interest Number: 78931
Permit Activity Number: BOP150001

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Section A

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

REASON FOR PERMIT

The reason for issuance of this permit is to comply with the air pollution control permit provisions of Title V of the federal Clean Air Act, federal rules promulgated at 40 CFR 70, and state regulations promulgated at N.J.A.C. 7:27-22, which requires the state to issue operating permits to major facilities and minor facilities that are in certain designated source categories. This is the operating permit for the facility listed on the cover page, which includes a minor modification for This minor modification includes the requirements for new Screener 2a U67/E67 with capacity of 300 tons per hour and operated by 90 kW Diesel engine, that replaced the placeholder for screener 2 U65/E64/PT64. In addition, this permit incorporated GOP-003 for a new emergency generator E69, which replaced E62.

New Jersey has elected to integrate its Title I New Source Review (NSR) preconstruction permits with the new Title V operating permits instead of issuing separate permits. Consequently, the existing preconstruction permit provisions that were previously approved for this facility have been consolidated into this permit. This permit may also include applicable requirements for grandfathered sources.

This permit action consolidates previously approved permit terms and conditions into one single permit for the facility. The New Jersey Department of Environmental Protection (Department) issues this operating permit authorizing the facility to operate equipment and air pollution control devices. In the operating permit application, the facility represented that it meets all applicable requirements of the federal Clean Air Act and the New Jersey Air Pollution Control Act codified at N.J.S.A. 26:2C. Based on an evaluation of the data contained in the facility's application, the Department has approved this operating permit.

This permit allows this facility to operate the equipment and air pollution control devices specified in this permit and emit up to a level specified for each source operation. The signatories named in the application are responsible for ensuring that the facility is operated in a manner consistent with this permit, its conditions, and applicable rules.

Section B

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

DEFINITIONS

The terms used in this permit are used consistent with the definitions at N.J.A.C. 7:27-1 and N.J.A.C. 7:27-22. Any terms defined in this section are not defined at N.J.A.C. 7:27-1 or N.J.A.C. 7:27-22, and are needed for clarifying the permit.

“Permitting Authority” means the New Jersey Department of Environmental Protection (NJDEP).

“The EPA,” or “the Administrator,” means the Administrator of the EPA or his designee.

“M” preceding a unit of measure means one thousand. For example, “10 M gal.” means ten thousand gallons.

“MM” preceding a unit of measure means one million. For example, “10 MM gal.” means ten million gallons.

“Grandfathered” means, in reference to equipment or control apparatus, that construction, reconstruction, or modification occurred prior to enactment of N.J.S.A. 26:2C-9.2 on June 15, 1967, or prior to the subsequent applicable revisions to rules and regulations codified at N.J.A.C. 7:27-8 that occurred March 5, 1973, June 1, 1976, April 5, 1985, and October 31, 1994, and no construction, reconstruction, or modification of the equipment or control apparatus has occurred since.

“Compliance Plan” means the applicable requirements, monitoring requirements, recordkeeping requirements, and submittal/action requirements detailed in Section G, Facility Specific Requirements, of the operating permit.

Section C

Facility Name: OCEAN CNTY LANDFILL CORP
Program Interest Number: 78931
Permit Activity Number: BOP150001

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all significant source operations at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)											
Source Categories	Primary						Secondary				
	VOC (total)	NO _x	CO	SO ₂	TSP (total)	Other* (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO ₂ e ¹
Emission Units Summary	12.92	58.22	94.17	27.30	8.54	889.4	5.76	0.48		6.44	Not Listed
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions from Significant Source Operations ²	12.92	58.22	94.17	27.30	8.54	889.4	5.76	0.48		6.44	

Table 2: Estimate of total emissions from all insignificant source operations and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)										
Source Categories	Primary						Secondary			
	VOC (total)	NO _x	CO	SO ₂	TSP (total)	Other (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs (total)
Estimate of Total Emissions from Insignificant Source Operations ²	0	0	0	0	0	0	0	0	0	0
Total Non-Source Fugitive Emissions ³	0	0	0	0	0	0	0	0	0	0

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

TSP: Total Suspended Particulates

Other: Any other air contaminant regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emission summary of individual HAPs and Other Air Contaminants is provided on next page.

¹ Total CO₂e emissions for the facility that includes all significant sources (emission units, batch process, group) and insignificant sources.

² Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C 7:27-22.1.

³ Non-Source fugitive emissions are defined at N.J.A.C 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C 7:27-22.2(a)2.

Section C

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

POLLUTANT EMISSIONS SUMMARY

The following table shows the hazardous air pollutants (HAP) emissions summary⁴:

HAP	TPY
Benzene	0.05
Hydrogen Chloride	5.8
Tetrachloroethylene	0.3
Trichloroethane (1,1,2)	0.13
Vinyl Chloride	0.16
Hydrogen Sulfide	0.18

The following table shows the “Other” air contaminants emissions summary:

Other Air Contaminant	TPY
Methane	889.4

⁴ Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section D

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

POLLUTION PREVENTION REPORTING

General Pollution Prevention conditions

The following evaluation requirements are included to track the facility's progress in several critical areas identified in the National Environmental Performance Partnership System (NEPPS). Nitrogen Oxides (NO_x) and Volatile Organic Compounds (VOC) are precursors to the air pollutant Ozone, for which New Jersey is non-attainment with the air quality standard for the protection of public health. The control of hazardous air pollutants (HAPs) is also a focus item for the next decade in order to minimize localized hot spots and general urban air toxics levels. Therefore, the Department is requiring evaluation of emission trends at 5-year intervals for major sources of these air contaminants. Also, as part of significant modification applications, proposed major increases of these air contaminants requires evaluation of pollution prevention and cross media effects.

The evaluation of these trends requires no increased monitoring. Rather it utilizes existing monitoring data, as reported annually in Emission Statements (for NO_x and VOC) and annual Release and Pollution Prevention Reports (for HAPs). The intent of this evaluation is to better utilize the existing data by having the company, the public and the Department review major source trends periodically, as part of the 5-year renewal review and public comment process. The Department requests that the facility-wide trends be presented on graphs for attachment to the public information document for the 5-year renewal.

Pollution prevention includes changes that result in the reduction in use or generation of non-product output per unit of product. Cross media effects are practices that result in transferring the ultimate release or disposal of a contaminant from one environmental medium (e.g. air) to another environmental medium (e.g. water, solid or hazardous wastes).

Information to include with the renewal application:

1. The facility will evaluate annual emission trends over the last five years for actual air contaminant emissions of Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x), if the facility's potential to emit VOC or NO_x is greater than 25 tons per year, or any Hazardous Air Pollutants (HAP), for which the facility's potential to emit is greater than 10 tons per year. The VOC and NO_x emission data should reflect annual emission statement reports submitted pursuant to N.J.A.C. 7:27-21, and the HAP emissions data should reflect the annual Release and Pollution Prevention Report submitted pursuant to N.J.A.C. 7:1G-4 and 5 and N.J.A.C. 7:1K-6. Although not required, the Department encourages the facility to explain the reason for any significant trend, including whether it is the result of cross media shifts (to air, water, or solid waste) and/or pollution prevention. Changes should be itemized for each emission unit (or process) with a potential to emit over five tons per year of VOC or NO_x or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.
2. The facility will summarize annual potential to emit limits (allowable emissions) for VOC, NO_x, and HAPs, which are subject to reporting under 1 above, for the last five years. Changes should be itemized for each emission unit (or process) with a potential to emit over five tons per year of VOC or NO_x or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.
3. The facility will summarize five-year trends in annual VOC, NO_x, and HAP emissions, which are subject to reporting under 1 above, on a pound per unit of product basis, based on annual actual emissions and annual production over the five year period. Changes should be itemized for each emission unit (or

process) with a potential to emit over five tons per year of VOC or NO_x or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.

4. The facility will discuss five-year trends in actual air contaminant emissions of non-source VOC and HAP fugitives, which are subject to reporting under (1) above; explain measures taken to minimize such fugitives; and provide an explanation for any significant changes.

Information to include with an application for a significant modification to this permit:

1. For any significant modifications, the facility is encouraged to explain any cross media shifts of VOC and HAP air contaminants as part of the significant modification application. If an explanation is provided, the facility should identify the pollutant and the specific environmental media to which the pollutant is anticipated to be transferred, whether it be from air to solid waste or water, or from water or solid waste to the air.

Section E

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

GENERAL PROVISIONS AND AUTHORITIES

Operating Permits

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. Conditions relative only to nuisance situations, including odors, are not considered Federally enforceable. [N.J.A.C. 7:27-22.16(g)8]

2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:

If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:

- i. Immediately on the Department hotline at 1-877-927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
- ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or

If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or

If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 P.M. of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)]

3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]

5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]
6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10. The Department and its authorized representatives shall have the right to enter and inspect any facility subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]
11. The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]
12. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
13. In accordance with N.J.A.C. 7:27-22.19(c) and 22.19(d) 3, each permittee shall submit to the Department a six month deviation report relating to testing and monitoring required by the operating permit, not including information for testing and monitoring which have other reporting schedules specified in the permit. Normally, stack testing reporting is submitted within 45 days of test completion and continuous monitoring reporting is done quarterly. The six month report must address other specified monitoring, including, but not limited to, continuous and periodic monitoring data required by this permit. (See column two and three entitled "Monitoring Requirement" and "Recordkeeping Requirement," respectively, in the Facility Specific Requirement Section of this permit.). The six month reports for the testing and monitoring performed from January 1 through June 30, shall be reported by July 30 of the same calendar year; or from July 1 through December 31, shall be reported by January 30 of the following calendar year. Pursuant to N.J.A.C. 7:27-22.19(e), these six month reports shall clearly identify all deviations from operating permit requirements, the probable cause of such deviations, and any corrective actions taken. Any "None" listed in the Submittal/Action Requirement in the Operating Permit is not intended to override the six-month deviation report. The report shall be certified pursuant to N.J.A.C. 7:27-1.39 by a responsible official. The submittal procedure is listed in column entitled "Submittal/Action Requirement" in the Facility Specific Requirement Section FC of this permit. [N.J.A.C. 7:27-22.19(d) 3 and N.J.A.C. 7:27-22.19(e)]

An annual compliance certification required by paragraph 2 above and required by N.J.A.C. 7:27-19(f) may also be considered as your six month deviation report for the period from July 1 through December 31 which is due by January 30 of each year if the annual compliance certification is submitted by January 30.

14. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described in 15 below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.

15. For situations other than those covered by 14 above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
 - i. The violation occurred as a result of an equipment malfunction, an equipment start-up or shutdown, or during the performance of necessary equipment maintenance; and
 - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
16. Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. [N.J.A.C. 7:27-22.18(j)]
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on-site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.
 - b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner of the subject equipment has obtained and maintains an approved mobile preconstruction permit, issued pursuant to N.J.A.C. 7:27-8, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved mobile preconstruction permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of ninety (90) days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i) 3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on-site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will re-occur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
19. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]

20. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22, unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
21. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
22. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
23. The permittee shall file a timely and complete application for:
 - Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
 - Seven-Day-Notice changes [N.J.A.C. 7:27-22.22(e)];
 - Minor Modifications [N.J.A.C. 7:27-22.23(e)];
 - Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
 - Renewals [N.J.A.C. 7:27-22.30(b)].
24. Except as allowed in Technical Manual 1005, or otherwise allowed by the Department in this permit or in written guidelines/ procedures issued or approved by the Department, process monitors required by the Compliance Plan included in this permit must be operated at all times when the associated process equipment is operating. The permittee must keep a service log to document any outage.

Section F

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

STATE-ONLY APPLICABLE REQUIREMENTS

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable state requirements. The applicable state requirements to which this provision applies are listed in the table titled "State-Only Applicable Requirements."

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
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Section G

Facility Name: OCEAN CNTY LANDFILL CORP

Program Interest Number: 78931

Permit Activity Number: BOP150001

COMPLIANCE PLAN AND INVENTORIES

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- ATTACHMENTS TO THE FACILITY SPECIFIC REQUIREMENTS
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- REASON FOR APPLICATION
- NON-SOURCE FUGITIVE EMISSIONS
- INSIGNIFICANT SOURCE EMISSIONS
- EQUIPMENT INVENTORY
- EQUIPMENT DETAILS
- CONTROL DEVICE INVENTORY
- CONTROL DEVICE DETAILS
- EMISSION POINT INVENTORY
- EMISSION UNIT/BATCH PROCESS INVENTORY

Facility Name: OCEAN CNTY LANDFILL CORP
Program Interest Number: 78931
Permit Activity Number: BOP150001

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Emission Statements: Submit an annual emission statement electronically to the NJDEP by May 15 of each year (or by mutually agreed upon date, but no later than June 15 of each year). The emission statement shall be based on monitoring, recording and recordkeeping of actual emissions, capture and control efficiencies, process rate and operating data for source operations with the potential to emit certain air contaminants. [N.J.A.C. 7:27-21]	None.	Other: The emission statement and all supporting records shall be maintained on the operating premises for a period of five (5) years from the due date of each emission statement. [N.J.A.C. 7:27-21].	Submit an Annual Emission Statement: Annually and electronically by May 15 or by any mutually agreed upon date, but not later than June 15 of each year. [N.J.A.C. 7:27-21]
7	Compliance Certification: Submit annual compliance certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f), within 60 days after the end of each calendar year during which this permit was in effect. [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. The annual compliance certification reporting period will cover the calendar year ending December 31. The certification shall be submitted electronically through the NJDEP online web portal - Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to the NJDEP online web portal shall be obtained by following the instructions at: http://www.state.nj.us/dep/online/ . The certification should be printed for submission to EPA at the following address: US EPA, Region II, Air Compliance Branch, 290 Broadway, New York, NY 10007-1866. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Protection of Stratospheric Ozone: 1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Report: In accordance with N.J.A.C. 7:27-22.19(c) and 22.19(d)3, the permittee shall submit to the Department a certified six-month deviation report relating to testing and monitoring required by the operating permit, not including information for stack emissions testing or continuous emissions monitoring which have other reporting schedules specified in the permit (normally, stack test report is submitted within 45 days of test completion and continuous monitor reporting is done quarterly). Pursuant to N.J.A.C. 7:27-22.19(e), the six-month report must address other specified monitoring, including continuous and periodic monitoring requirements found in column 2 and 3, entitled "Monitoring Requirement" and "Recordkeeping Requirement," respectively, of the Facility Specific Requirements section of this permit. These six-month reports shall clearly identify all deviations from operating permit requirements, the probable cause of such deviations, and any corrective actions or preventive measures taken. If no deviations occurred, the report should say so. Any "None" listed in the Submittal/Action Requirement in the Operating Permit is not intended to override the six-month deviation report. [N.J.A.C. 7:27-22.19(d)3, N.J.A.C. 7:27-22.19(e), and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C. 7:27-22.19(a)].	<p>Submit a report: As per the approved schedule. The six-month reports for other specified testing or monitoring required by the operating permit performed from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and from July 1 through December 31, shall be submitted by January 30 of the following calendar year.</p> <p>The report shall be submitted electronically through the NJDEP online web portal - Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to the NJDEP online web portal shall be obtained by following the instructions at: http://www.state.nj.us/dep/online/ . [N.J.A.C. 7:27-22]</p>
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS2 1000 ga. fuel tank, diesel

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel: If the tank contains diesel fuel use in Ocean County, New Jersey (Zone 1), the maximum allowable sulfur content is 0.3 percent by weight. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery, based on no averaging period. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	Tank contents limited to diesel fuel only. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents. Per Delivery. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #9 above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS3 Small Combustion Heaters (7) <1 mmBtu/hr

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	Other: Periodic visual inspections.[N.J.A.C. 7:27-22.16(o)].	None.	None.
2	No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney of which is greater than 20 percent opacity, exclusive of water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.
3	Opacity <= 20 % Emissions no greater than 20% opacity, exclusive of visible condensed water vapor, except for a period of not longer than three minutes in any consecutive 30 minute period. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
4	Maximum sulfur content of #2 fuel oil. Sulfur Content in Fuel <= 0.3 % by weight. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	Other: Keep Certificate from fuel supplier showing fuel sulfur content, per delivery.[N.J.A.C. 7:27- 9.2(b)].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS4 10000 gal underground #2 fuel tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel: If the tank contains # 2 fuel use in Ocean County, New Jersey (Zone 1), the maximum allowable sulfur content is 0.3 percent by weight. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	Other: Keep Certificate from fuel supplier showing fuel sulfur content, per delivery.[N.J.A.C. 7:27- 9.2(b)].	None.
2	Tank contents limited to # 2 fuel only. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents. Per Delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #9 above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS5 10000 gal underground diesel tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel: If the tank contains diesel fuel use in Ocean County, New Jersey (Zone 1), the maximum allowable sulfur content is 0.3 percent by weight. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery, based on no averaging period. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	Tank contents limited to diesel fuel only. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents. Per Delivery. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #9 above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS6 Emergency Generators (4)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Smoke emissions from each stationary internal combustion engine shall not exceed 20% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. . [N.J.A.C. 7:27- 3.5]	Other: Periodic visual inspections.[N.J.A.C. 7:27-22.16(o)].	None.	None.
2	Maximum allowable sulfur content in fuel oil by fuel oil type/viscosity and geographical zone. Sulfur Content in Fuel <= 0.3 % by weight. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27- 9.2(b)]	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: **IS7 Aerobic leachate treatment tanks (influent concentration <3500 ppb of VOC (Total) and < 100 ppb TXS)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No additional requirements. [N.J.A.C. 7:27-22.1(14)]	None.	None.	None.
2	No additional sampling required. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS8 1000 gal above ground. fuel storage, #2 oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel: If the tank contains # 2 fuel oil for use in Ocean County, New Jersey (Zone 1), the maximum allowable sulfur content is 0.3 percent by weight. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery, based on no averaging period. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	Tank contents limited to #2 fuel oil only. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents. Per Delivery. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #9 above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U3 2.5 MMBtu/hr Boiler firing treated landfill gas (LFG) and No. 2 fuel oil

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions: Particulate emission limit from the combustion of fuel based on rated heat input of source shall be ≤ 1.5 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	CO ≤ 0.9 tons/yr Annual emission limit from preconstruction permit, based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) ≤ 1.54 tons/yr Annual emission limit from preconstruction permit, based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	SO2 ≤ 3.4 tons/yr Annual emission limit from preconstruction permit, based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input ≤ 2.5 MMBTU/hr (HHV) Based on preconstruction permit,. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The LTF Boiler is restricted to using only treated landfill gas (LFG) and #2 fuel oil. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U3 2.5 MMBtu/hr Boiler firing treated landfill gas (LFG) and No. 2 fuel oil

Operating Scenario: OS1 Combustion of treated LFG to heat leachate treatment process

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions, exclusive of visible condensed water vapor, except for a period of not longer than three minutes in any consecutive 30-minute period. For compliance with the monitoring and recordkeeping requirements for the visible emission standards, the permittee shall conduct monthly visual inspections during daylight hours in any month with oil-fired operation. [N.J.A.C. 7:27 - 3.2 (a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Maximum emission rate from preconstruction permit. CO <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum emission rate from preconstruction permit, based on rated heat input of source. NOx (Total) <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Maximum emission rate from preconstruction permit. SO2 <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum annual fuel use limit from preconstruction permit. Landfill Gas Usage <= 57.8 MMft ³ /yr. [N.J.A.C. 7:27-22.16(e)]	Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	None.
6	There shall be a system to automatically shutdown the flow of landfill gas to the boiler if the firing of landfill gas discontinues. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Only treated gas will be supplied to the boiler which provides heat to maintain leachate temperature for the process that reduces leachate pollutant loads prior to sewer discharge. The treated gas will be clean enough to burn efficiently in the boiler burner. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep record of operation of treatment system[N.J.A.C. 7:27-22.16(o)].	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>The landfill gas will be treated in a fuel treatment system prior to the combustion in the boiler. The fuel treatment system shall compress, filter and dewater small quantity of landfill gas and adequately prepare it for the combustion in the boiler.</p> <p>The fuel treatment system shall consist of filters and dewatering device to treat up to 70 cubic feet per minute of landfill gas. The system shall use a multi-stage, centrifugal blower to pull gas from the main landfill gas collection system via a 2 inch line, and compress adequately to be delivered to and combust in the boiler. The system shall include a Balston filter comprised of a stainless steel vessel with filter tubes to remove particles of a size down to 0.3 microns and dewater the gas. The drained condensate shall be piped back into the leachate equalization lagoon and shall be processed with the leachate. [N.J.A.C. 7:27-22.16(a)]</p>	None.	Other: Keep record of operation of treatment system[N.J.A.C. 7:27-22.16(o)].	None.

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Facility Specific Requirements

Emission Unit: U3 2.5 MMBtu/hr Boiler firing treated landfill gas (LFG) and No. 2 fuel oil

Operating Scenario: OS2 Combustion of fuel oil #2 to heat leachate treatment process

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions, exclusive of visible condensed water vapor, except for a period of not longer than three minutes in any consecutive 30-minute period. For compliance with the monitoring and recordkeeping requirements for the visible emission standards, the permittee shall conduct monthly visual inspections during daylight hours in any month with oil-fired operation. [N.J.A.C. 7:27 - 3.2 (a)] & [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each month during operation, based on the averaging period as per Department approved test method. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed, the permittee shall: (1) Verify that the equipment and/or control device causing the emissions is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment and/or control device are not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to the NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the visible emissions problem within 24 hours, the applicant shall perform a check via a certified reader in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted each shift when operating until corrective action is taken to successfully correct the visible emissions problem. The permittee must report any continuing permit violation pursuant to N.J.A.C.7:27-22.19. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	Recordkeeping by manual logging of parameter each month during operation (permanently bound). The permittee must retain the following records: (1) date and time of inspection, (2) emission point number, (3) operational status of equipment, (4) observed results and conclusions, (5) description of corrective action if needed, (6) date and time visible emission problem was solved, if applicable, (7) N.J.A.C.7:27B-2 results if conducted, and (8) name of person(s) conducting inspection. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	None.
2	Maximum sulfur content of #2 fuel oil based on preconstruction permit. Sulfur Content in Fuel <= 0.3 % by weight. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading. [N.J.A.C. 7:27-22.16(o)]	Other: Keep Certificate of Analysis showing fuel sulfur content, per delivery.[N.J.A.C. 7:27- 9.2(b)].	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Maximum emission rate from preconstruction permit, based on rated heat input of source. CO \leq 0.088 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Maximum emission rate from preconstruction permit, based on rated heat input of source. NO _x (Total) \leq 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum emission rate from preconstruction permit, based on rated heat input of source. SO ₂ \leq 2.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Maximum annual use limit from preconstruction permit. No. 2 Fuel Oil Usage \leq 154,176 gal/yr. [N.J.A.C. 7:27-22.16(e)]	No. 2 Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(a)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U4 Material recovery process and transfer

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Particulate emissions no greater than 20% opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	
2	Opacity <= 20 %. No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney of which is greater than 20 percent opacity, exclusive of water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The permittee shall not use the equipment in a manner which will cause visible emissions, exclusive of condensed water vapor, except for 3 minutes in any consecutive 30 minute period. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by visual determination once per week during operation, based on any consecutive 30-minute period. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard (See Applicable Requirement). If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.; (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by manual or electronic logging of parameter once per week during operation. Manually log in a logbook or in readily accessible computer memories and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection.[N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: As per the approved schedule. The permittee shall report permit violations (excess visible emissions) to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
4	Opacity: no visible emissions, exclusive of condensed water vapor, except for a period no longer than three minutes in any consecutive thirty minute period. [N.J.A.C. 7:27-22.16(e)]	Opacity: Monitored by visual determination upon request of the Department, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Opacity: Recordkeeping by manual logging of parameter upon request of the Department. [N.J.A.C. 7:27-22.16(e)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	If visible emissions are seen being emitted except in areas over which the owner or operator has exclusive use or occupancy, the solid waste transfer station shall cease operation and not be restarted until corrective action has been taken. [N.J.A.C. 7:27-22.16(o)]	Monitored by visual determination upon occurrence of event, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each time visible emissions are seen, the date and time shall be recorded as well as the corrective action taken. Records are to be maintained on-site and be made readily available upon request by the Department. [N.J.A.C. 7:27-22.16(o)]	None.
6	Total Production Rate <= 2,000 tons/day for the facility maximum daily waste handling capacity. The Facility is allowed to process (receive and ship) only Type 10, 13, 13C, 23, 25 and 27 waste types as defined in NJAC 7:26-2.13. The Facility is allowed to process only waste types permitted by the Solid Waste Permit for Transfer Operations. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by waste feed/charge rate monitoring (solid) once per calendar day during operation. Total production rate shall be monitored by material balance on a daily basis. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The Permittee shall maintain records of the quantity and type of the waste processed and demonstrate compliance in accordance with the Solid Waste Regulations NJAC 7:26-2.13(a). [N.J.A.C. 7:27-22.16(o)]	None.
7	Hours of Operation: Within any operating day, the hours of operation for the transfer station/materials recovery facility shall be consistent with the requirements of the current Solid Waste Permit for transfer operations. This includes limitations on when bulky waste and construction and demolition waste may be accepted and processed. The facility MRF hours of operation: 7:00 am to 6:00 pm Monday through Friday 7:00 am to 3:30 noon on Saturday. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation: Recordkeeping by manual logging of parameter daily. [N.J.A.C. 7:27-22.16(e)]	None.
8	All solid waste delivery vehicles shall be properly registered with the Division of Solid and Hazardous Waste pursuant to N.J.A.C. 7:26-3. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	The control devices for the Material Recovering Process and Transfer (U4) are the dust collectors (CD40 & CD41) or equivalent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	TSP <= 4.01 tons/yr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially, based on one calendar year. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
11	PM-10 (Total) <= 2.01 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially, based on one calendar year. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
12	PM-2.5 (Total) <= 0.48 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially, based on one calendar year. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
13	No person shall use or cause to be used any equipment or control apparatus unless all components connected or attached to, or serving the equipment or control apparatus, are functioning properly and are in use in accordance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	The particulate and odor control system shall be in operation at all times that the transfer station is in operation. Equipment and control devices will be operated except when repairs and/or maintenance activities are being done. Waste Acceptance operations will continue during the times of repair and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	The transfer station shall be operated in such a manner that all air contaminant emissions that are generated are directed per proposed minor modification to the ventilators and associated air pollution control systems. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	The operation of the transfer station shall be consistent with all permits and conditions of the Division of Solid and Hazardous Waste. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored in compliance with NJAC 7:26-2.8 (i)[N.J.A.C. 7:27-22.16(a)].	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	No contaminated soils (having concentration above non-residential direct contact soil cleanup criteria standards per NJDEP) with VOC's or hydrocarbons shall be received and/or processed by the facility. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	No significant source operation shall be installed and operated inside the solid waste transfer station building. Significant source operation means a source that is classified as a significant source pursuant to NJAC 7:27-8.2 (a) through (c) "Applicability" and is not exempted from being a significant source operation pursuant to NJAC 7:27-8.2(d) through (f). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U4 Material recovery process and transfer

Operating Scenario: OS1 Materials Recovery Facility with Transfer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop ≥ 4 and Pressure Drop ≤ 10 inches w.c. or as per manufacturer recommendations. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop: Recordkeeping by manual logging of parameter each week during operation. [N.J.A.C. 7:27-22.16(e)]	None.
2	The permittee shall inspect and maintain the dust collector (CD40 & CD41) and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained. The dust collector shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter upon occurrence of event Each instance of dust collector maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.
3	Particulates Control Efficiency of the filter is 99%. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Air-to-Cloth Ratio ≤ 2.45 ACFM/sq.ft. for each dust collector (CD40 & CD41). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	TSP ≤ 2.385 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27- 8.13(d)]	None.
6	PM-10 (Total) ≤ 1.192 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(0)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(0)]	None.
7	PM-2.5 (Total) ≤ 0.283 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(0)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(0)]	None.
8	The permittee shall replace the filters when the differential pressure across the filter elements is greater than 10 inches w.c. or as based on manufacturers specifications. [N.J.A.C. 7:27-22.16(a)]	Monitored by pressure drop instrument per change of material, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of filter replacement. [N.J.A.C. 7:27- 8.13(d)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The Permittee shall check the carbon media every 3 months for carbon breakthrough. The carbon filters shall be replaced when (which ever occurs first) : 1- breakthrough occurs based on carbon media testing every two years maximum, OR, 2- if the equipment causes an air contaminant to be detectable by the sense of smell to be present in the outdoor atmosphere in such quantity or duration which is, or tends to be injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the Permittee has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(a)]	Monitored by odor threshold monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year or manufacturer specifid changout frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The permittee shall record the time and date of each replacement of carbon panels. [N.J.A.C. 7:27-22.16(o)]	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]
10	Saturated or partially used adsorption material shall be disposed of in a manner that minimizes releases of air contaminants to the atmosphere. This shall be done in accordance with all applicable State and Federal solid waste management regulations. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Flowrate \geq 104,000 ACFM The air handling system shall be designed to achieve a flow rate of 104,000 acfm and will opearte at no less than 104,000 acfm utilizing two (2) 150 HP electric motors to pull air through a modular bank of American Air Cartridge Filters or equivalent performance when facility is in operation. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by documentation of construction once initially. The flowrate shall be confirmed through initial design calculations and manual logging of the blower settings to confirm operation. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Initial facility design specifications provided with the permit application. In addition, the initial design calculations shall be maintained on-site and made available for review by the Department upon request showing the correlation between the blower settings and exhaust flow rate. [N.J.A.C. 7:27-22.16(o)]	None.
12	The air handling system shall be sized to have at least a minimum of 6 air changes per hour. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Initial facility design specifications provided with the permit application. [N.J.A.C. 7:27-22.16(o)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The maximum expected landfill gas generation rate shall be determined using the maximum design capacity, Total Design Capacity = 13 million metric tons (megagrams, Mg). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal. Uncollected VOC <= 9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	This applicable requirement applies to CD1 and CD10. The flare shall be designed to operate at a Minimum VOC Destruction and Removal Efficiency >= 95 %. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	This applicable requirement applies to CD1 and CD10. The flare shall be designed to operate at no less than the minimum operating temperature. Minimum Operating Temperature at the Exit of the Combustion Section >= 1,500 degrees F. [N.J.A.C. 7:27-22.16(e)]	Minimum Operating Temperature at the Exit of the Combustion Section: Monitored by temperature instrument continuously, based on an instantaneous determination. The permittee shall install, operate and maintain an alarm or other operational warning system, properly shielded from direct contact with the flame. The alarm shall be designed to sound at any time flare temperature is detected to be less than the permitted operating temperature. [N.J.A.C. 7:27-22.16(e)]	Minimum Operating Temperature at the Exit of the Combustion Section: Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-22.16(e)]
5	This applicable requirement applies to CD1 and CD10. The flare shall be designed to operate at no less than the minimum residence time. Minimum Residence Time >= 0.5 seconds. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	This applicable requirement applies to CD1 and CD10. The maximum concentration limit for CO <= 100 ppmvd @ 7% O2. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	This applicable requirement applies to CD1, CD10 and CD11. The permittee shall monitor the flare pilot burners or flame itself by a thermocouple or any equivalent device to ensure the presence of a flame. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	This applicable requirement applies to CD1, CD10 and CD11. The permittee shall install, operate and maintain an automatic system (or equivalent) on the flare to relight the flare pilots to maintain flare combustion. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	This applicable requirement applies to CD1, CD10 and CD11. The flare shall have a smokeless design. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	Opacity: This applicable requirement applies to CD1 and CD10. There shall be no visible emissions from the flare of the landfill. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	CO <= 89.4 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	NOx (Total) <= 53.7 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	SO2 <= 23.9 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	TSP <= 3 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	PM-10 (Total) <= 3 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
16	VOC (Total) <= 12.2 tons/yr (Includes HAP VOC's and uncollected VOC's). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Total HAPs <= 6.44 tons/yr (Includes HCl). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Benzene <= 0.05 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Hydrogen chloride <= 5.8 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Tetrachloroethylene <= 0.3 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Trichloroethane (1,1,2) <= 0.13 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Vinyl chloride <= 0.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Hydrogen sulfide <= 0.18 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
24	Methane <= 889.14 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
25	Flowrate <= 150,000 gallons per day of leachate for the entire facility. The annual leachate limit shall not exceed 36,500,000 gallons per year. (NOTE: The daily flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs. The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occur. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	Flowrate: Monitored by material feed/flow monitoring daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Flowrate: Recordkeeping by data acquisition system (DAS) / electronic data storage daily to monitor the flow of leachate. [N.J.A.C. 7:27-22.16(e)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS1 Waste transfer and processing

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This applicable requirement applies to CD1 and CD10. The flare shall reduce non-methane organic compounds (NMOC) by 98 weight percent or reduce NMOC outlet concentrations to less than 20 ppmv by volume. [40 CFR 60.752(b)(2)(iiiB)]	Monitored by temperature instrument continuously, based on an instantaneous determination. [40 CFR 60.756(b)]	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. [40 CFR 60.758(b)(2)]	None.
2	This applicable requirement applies to CD11. Open flare designed and operated in accordance with 40 CFR60.18 except as noted in 40 CFR60.754 (e). The performance test shall be done in accordance with 40 CFR60.18 within 6 months of the approval of this modification. [For this requirement, correct citation is 40 CFR60.752(b)(2)(iii)(A)] [40 CFR 60.752(b)(2)(iiiA)]	Monitored by flame monitor continuously at the pilot light to detect presence of flame. [40 CFR 60.756(c)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event of absence of the pilot flame. [40 CFR 60.758(b)(4)]	
3	For CD 11 only: Stack Gas Discharge Velocity <= 60 ft/sec. [40 CFR 60.18(c)(4)(i)]	Stack Gas Discharge Velocity: Monitored by the Department approved testing method once initially for determining the volumetric flowrate and unobstructed cross sectional area of the flare tip. [40 CFR 60.18(f)(4)]	Stack Gas Discharge Velocity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.60(18)]	Submit a performance test protocol: Within 60 days from the date of the approved permit. Conduct the testing as agreed upon with BTS but no later than 60 days after the approval of protocol. Report results to BTs within 45 days of actual field test. [40 CFR 60.18]
4	CO <= 24.17 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) <= 13.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	SO2 <= 4.66 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	TSP <= 0.85 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 0.85 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	VOC (Total) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	HAPs (Total) <= 2.17 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Hydrogen sulfide \leq 0.04 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Benzene \leq 0.012 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Hydrogen chloride \leq 1.35 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Tetrachloroethylene \leq 0.064 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Trichlorofluoroethane (HCFC-131) \leq 0.03 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Vinyl chloride \leq 0.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Methane \leq 203 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
18	The Permittee shall sample and analyze the landfill gas (including methane) on a quarterly basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by gas sampling quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year, based on an instantaneous determination. After one year of sampling, the Permittee may request for a decrease in the frequency of sampling. The Department reserves the right to change the frequency of sampling based on a review of the analyses. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Within 60 days of sampling. [N.J.A.C. 7:27-22.16(e)]
19	When landfill gas is not sent to the energy facility (s) the landfill gas shall be controlled by flares (CD1, CD10 and CD11). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Total cumulative gas flow to the flare system (CD1, CD10 and CD11) <= 3210 mmcf in any calendar year. [N.J.A.C. 7:27-22.16(e)]	Other: The landfill gas flow rate to the enclosed flare shall be continuously monitored (in scfm). The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer; and (4) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
21	The owner or operator shall comply, as applicable, with the standards required in 40 CFR 60 Subpart A. [40 CFR 60]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 60 Subpart A.[40 CFR 60].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 60 Subpart A.[40 CFR 60].	Comply with the requirement: As per the approved schedule The owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 60 Subpart A. The owner or operator shall submit all required reports to the EPA and NJDEP Regional Enforcement Office. [40 CFR 60]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator shall operate the collection system so that the methane concentration is less than 500 ppm above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the actions specified in (i) through (v) in the Submittal/Action Requirement shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 40 CFR 60.753(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring. [40 CFR 60.753(d)] & [40 CFR 60.755(c)(4)] & [40 CFR 60.756(f)]	Other: The owner or operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A of 40 CFR 60, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. The owner or operator shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.[40 CFR 60.755(c)].	Other: Manual logging of methane concentration in the collection system quarterly in a permanently bound logbook.[40 CFR 60.758(c)].	Comply with the requirement: As per the approved schedule (i) The location of each monitored exceedance shall be marked & recorded; (ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made & the location shall be remonitored within 10 calendar days of detecting the exceedance; (iii) If the remonitoring of the location shows a second exceedance, additional corrective action shall be taken & the location shall be monitored again within 10 days of the second exceedance. If the remonitoring shows a third exceedance for the same location, the action in (v) shall be taken, & no further monitoring of that location is required until the action in (v) has been taken; (iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day remonitoring specified in (ii) or (iii) shall be remonitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions in (iii) or (v) shall be taken; (v) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. [40 CFR 60.755(c)(4)]
23	The owner or operator shall operate the control or treatment system at all times when the collected gas is routed to the system. [40 CFR 60.753(f)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	The provisions of NSPS Subpart WWW apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)]	None.	None.	None.
25	Each owner or operator subject to the requirements of this subpart is exempted from the requirements of 40 CFR 60.757(b)(1) and (2), after the installation of a collection and control system in compliance with 40 CFR 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR 60.753 and 40 CFR 60.755. [40 CFR 60.757(b)(3)]	None.	None.	None.
26	Each owner or operator shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment. [40 CFR 60.757(e)]	None.	None.	Submit a report: As per the approved schedule. The equipment removal report shall contain all of the following items: (i) A copy of the closure report submitted in accordance with 40 CFR 60.757(d); (ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and (iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year. [40 CFR 60.757(e)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	Each owner or operator shall submit annual reports to the Administrator. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.758(c). [40 CFR 60.757(f)]	None.	None.	Submit a report: As per the approved schedule. The annual reports shall include the following recorded information: (1) Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d). (2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756. (3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating. (4) All periods when the collection system was not operating in excess of 5 days. (5) The location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. (6) The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 60.755(a)(3), (b), and (c)(4). [40 CFR 60.757(f)]
28	Each owner or operator shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [40 CFR 60.758(e)]	None.	Other: See Applicable Requirement.[40 CFR 60.758(e)].	None.
29	The owner or operator shall comply, as applicable, with the standards required in 40 CFR 63 Subpart A. [40 CFR 63]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 63 Subpart A.[40 CFR 63].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 63 Subpart A.[40 CFR 63].	Comply with the requirement: As per the approved schedule The owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 63 Subpart A. The owner or operator shall submit all required reports to the EPA and NJDEP Regional Enforcement Office. [40 CFR 63]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	Existing affected sources and area sources must comply with the requirements of 40 CFR 63, subpart AAAA and with the general provisions of this part by January 16, 2004. [40 CFR 63.1945(f)] & [40 CFR 63.1955(b)]	None.	None.	None.
31	Demonstrate compliance with the operating conditions for control systems including continuous parameter monitoring data collected under 40 CFR 60.756(b)(1) of subpart WWW. 40 CFR 63, Subpart AAAA. [40 CFR 63.1960]	Monitored by parametric monitoring system continuously. [40 CFR 63.1960]	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. [40 CFR 63.1960]	Comply with requirement: As per the approved schedule. [40 CFR 63.1980]
32	The owner/operator must develop and implement a written startup, shutdown, and malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3). 40 CFR 63, Subpart AAAA. [40 CFR 63.1960]	None.	Other: Maintain a current copy of the SSM plan on site.[40 CFR 63.1980].	None.
33	For the purposes of the landfill monitoring and SSM plan requirements, deviations (as defined in 40 CFR 63.1990) include the items in paragraphs (a) through (c) of this section. (a) A deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of subpart WWW are exceeded. (b) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period (refer to 40 CFR 63.1975) does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour. (c) A deviation occurs when a SSM plan is not developed, implemented, or maintained on site. [40 CFR 63.1965]	None.	None.	Submit a report: Upon occurrence of event. The report shall consist of a telephone call or facsimile and shall be submitted within 2 working days after commencing action, followed by a letter delivered or postmarked within 7 working days after the end of the event. [40 CFR 63.10(d)(5)(ii)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	Each owner or operator shall submit reports every 6 months to the Administrator. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.758(c). 40 CFR 63, Subpart AAAA. [40 CFR 60.757(f)] & [40 CFR 63.1980(a)]	None.	None.	Submit a report: As per the approved schedule. The biannual reports shall include the following recorded information: (1) Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d). (2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756. (3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating. (4) All periods when the collection system was not operating in excess of 5 days. (5) The location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. (6) The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 60.755(a)(3), (b), and (c)(4). [40 CFR 60.757(f)] & [40 CFR 63.1980(a)]
35	Each owner or operator shall calibrate, maintain, and operate according to the manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of +/- 1 percent of the temperature being measured expressed in degrees Celsius or +/- 0.5 degrees Celsius, whichever is greater. [40 CFR 60.756(b)(1)]	Other: Monitored by temperature instrument measured at least every 15 minutes and averaged over the same time period of the performance test. See Applicable Requirement. [40 CFR 60.758(b)(2)].	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. See Applicable Requirement. [40 CFR 60.758(c)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Each owner or operator shall calibrate, maintain, and operate according to the manufacturer's specifications, a gas flow rate measuring device that records flow to or bypass of the control device; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. [40 CFR 60.756(b)(2)]	Monitored by gas flow rate instrument continuously recording the flow to the control device at least every 15 minutes; or by visual inspection of the seal or closure mechanism performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. [40 CFR 60.756(b)(2)]	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously ; or manual logging of visual inspections (permanently bound), monthly. [40 CFR 60.756(b)(2)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS2 Anaerobic Leachate Treatment 1

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 2.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs. The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS3 leachate equalization lagoon

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 2.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs. The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS4 Anaerobic Leachate Treatment 2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 2.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs.) The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS5 leachate storage (tank 1)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 2.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs.) The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS6 leachate storage (tank 2)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 2.32 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs.) The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U64 Landfill, Waste transfer and processing

Operating Scenario: OS7 Anaerobic Leachate Treatment 3

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	SO2 <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Hydrogen sulfide <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Flowrate <= 150,000 gallons per day for the leachate. (NOTE: Flowrate limit is not applicable when heavy precipitation (snow or rain fall) occurs.) The Department reserves the right to ask the Permittee to revise leachate flow rate if continued exceedances due to heavy precipitation occurs. The Permittee shall install a flow meter and computer recording system to monitor and record leachate flow. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The Permittee shall sample the leachate on an annual basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	Submit a report: Annually of the analytical results from the leachate sampling, to the Chief, Regional Enforcement within 60 days of sampling. The Regional Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(e)]
7	The Permittee shall maintain and calibrate the flow monitoring equipment as required by the manufacturers specifications. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U66 RICE powered material Screener for SLP area

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The fugitive emissions from excavated waste, stripped soil cover material staging, screening and stockpiling of screened oversize and undersize material shall be below de minimus level of 0.05 lb./hr of total suspended particulates. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially and prior to permit expiration date based on the allowable or actual rate and duration of excavation, stock piling and screening. Permittee may use emission factors from US EPA AP 42 publication. [N.J.A.C. 7:27-22.16(a)]	None.	
2	The Diesel Engine (Tier 3) powering each of screener shall be taken out of service after the 10 years from of start up date. NOTE: However, if an engine installed on or before the start up date is certified to Tier 4 specifications, the permittee may apply and the department shall waive the ten year time limit. [N.J.A.C. 7:27-22.16(a)]			Submit a report: Prior to occurrence of event of retiring the engines at the end of ten years of use. [N.J.A.C. 7:27-22]
3	The permittee shall not use screener(s) to process the excavated material from landfill in excess of 600 tons per hour of feed rate for total screening capacity. This screening capacity can be achieved by using up to two individual screeners. [N.J.A.C. 7:27-22.16(a)]	Monitored by waste feed/charge rate monitoring (solid) once per calendar day during operation, based on one calendar day. Alternatively the permittee may monitor by volumetric material moved from screener to the storage area. You may use appropriate density of material moved to arrive at weight basis. [N.J.A.C. 7:27-22.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(a)]	
4	The screener and engine shall be operated as per manufacturer's Operating and Maintenance manual. [N.J.A.C. 7:27-22.16(a)]		Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. The O & M manual shall be made available to the Department's representative upon request. [N.J.A.C. 7:27-22.16(a)]	

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Prohibition of Odor: OCLC shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which unreasonably interferes with the enjoyment of life or property. [N.J.A.C. 7:27- 5.2(a)]	Monitored by other method (provide description) twice per day (i.e. two monitoring events approximately four hours apart). An offsite Odor Survey shall be conducted downwind of the work area at or near the property line when work is being performed in the excavation area. If odor from the excavation operation is detected at property line, OCLC will expand monitoring to the closest downwind neighborhood . . [N.J.A.C. 7:27-22.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system twice per day. Using Odor Investigation Field Data Form; attached with this Permit; a record shall be kept of all monitoring results documenting odors falling within any class described in the Department's at website address http://www.nj.gov/dep/enforcement/docs/odc from the excavation site. If any corrective action is undertaken, the type and duration of control measures implemented, and the duration of any suspension of excavation activities shall be recorded. . [N.J.A.C. 7:27-22.16(a)]	Other (provide description): Upon occurrence of event of odor detection of a class 3, 4 or 5 odor at the closest downwind neighborhood, the Permittee shall, within one hour, determine and document the severity, duration and characteristics of the odor (see ODOR FACT SHEET at www.nj.gov/dep/enforcement/docs/odor.pdf) In the case where this odor is attributable to excavation activities, the Permittee shall implement the odor control measures as defined in the Department issued SW Multiple Operations - Minor Modification Permit (SWF130001 dated 11/14/2013). If corrective measures do not cause a reduction in the detected odor to a Class 2 or lower odor at the closest downwind neighborhood within 8 hours, the excavation activities at the site shall be suspended and may not be resumed until such reduction has occurred, unless the Permittee can demonstrate, to the Department's satisfaction, that the odor detected is not from the excavation activities. [N.J.A.C. 7:27-22.16]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Ambient air concentration H2S <= 30 ppbv. [N.J.A.C. 7:27-22.16(a)]	<p>H2S: Monitored by periodic emission monitoring twice per day (i.e. two monitoring events approximately four hours apart) based on 30 minute block average. Periodic emission monitoring shall be performed at least twice per day, downwind of the excavation site at the property boundary. OCLC may reduce the frequency of monitoring H2S to once per day, if sixty consecutive readings during monitoring events show H2S concentration of less than 30 ppbv. Subsequently, if the H2S concentration measured to be 30 ppbv or above, OCLC shall revert to at least two monitoring events per day. This frequency of monitoring described above shall be repeated with each new phase of excavation starting with twice a day.</p> <p>NOTE: 1. During first five minutes of any monitoring event, if the H2S concentration detected is 3 ppbv or lower, the permittee may discontinue the monitoring for remaining 25 minutes. 2. OCLC may propose further reduction in monitoring H2S by submitting application using procedures for minor modification of the current permit laid down pursuant to N.J.A.C. 7:27-22.23, only if during monitoring events within first 180 working days show H2S concentration of less than 30 ppbv. [N.J.A.C. 7:27-22.16(o)]</p>	<p>H2S: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event for each monitoring event.</p> <p>A. For monitoring events, the following parameters shall be recorded: Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations.</p> <p>B. OCLC shall record the date and time of the activation of the Corrective Action Plan.</p> <p>C. OCLC shall record the date and time of the commencement of the excavation of any new phase.</p> <p>All records shall be kept in a permanently bound log book or readily accessible computer memories acceptable to the Regional Enforcement Office. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Submit notification: As per the approved schedule. As soon as H2S concentration of 30 ppbv or greater is detected, the designated Emergency Co-coordinator Supervisor (ECS) shall implement the Corrective Actions Plan described in OCLC's Health and Safety Plan.</p> <p>If the corrective actions undertaken cannot decrease H2S below 0.03 ppmv within four hours, or OCLC cannot demonstrate to the Department's satisfaction that OCLC is not the source of the H2S within thirty minutes, all activities related to excavation shall cease.</p> <p>The ECS shall continue to take corrective measures until the H2S concentration is below 30 ppbv.</p> <p>OCLC shall immediately notify the Department's Hotline at 1-(877)-WARNDP upon any exceedances of the 30 ppbv Action Limit and/or upon the activation of the Corrective Action Plan.</p> <p>OCLC shall notify the Department's Hotline at 1-(877)-WARNDP 24 hrs prior to changing the frequency of periodic monitoring events and/or the excavation of any new phase. [N.J.A.C. 7:27-22.16(a)]</p>

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The permittee shall implement a Dust Management Plan as follows: 1. Utilize the existing Dust control requirements at Attachment A of the Operations and Maintenance Manual. 2. Take corrective actions as needed; 3. Monitor visual impacts 3. The personnel must be provided with the checklist of all items to be inspected, inspection procedures, dust management procedures, and corrective actions for expected malfunctions. 4. The Plan and record of any corrective actions shall be kept on site and made available to the Department personnel upon request. 5. The permittee shall follow visual opacity inspections requirements listed in this permit under OS Summary. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. The parameters recorded shall include the completed inspection checklist and corrective actions, if any. The checklist shall include the date and time and the name and position of the person completing the checklist and be signed by that person. [N.J.A.C. 7:27-22.16(a)]	Submit notification: Every week if corrective actions were taken. The Department may modify the Dust Management Plan, and the modification shall be implemented by the permittee within seven (7) days of the Department's notification. [N.J.A.C. 7:27-22.16(a)]
8	OPACITY: The permittee shall not use the equipment in a manner which will cause visible emissions (exclusive of condensed water vapor) beyond the site property line, verified by the operator. If visible emissions are observed, the Permittee shall implement dust control requirements section 6.4.1 of O and M Manual for OCLF. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination daily. The Permittee shall conduct visual opacity inspections during daylight hours while the source is operating. The individual conducting the daily opacity inspections does not need to be a certified opacity reader. [N.J.A.C. 7:27- 4]	None.	Using Dust Control plan Attachment B Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-22.16(a)]
9	TSP <= 0.76 tons/yr total for Screener 1a and engine based on 3120 hours of operation. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations annually based on actual hours/fuel used in Engine and soil processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.a]		
10	CO <= 2.21 tons/yr total for Screener 1a and engine based on 3120 hours of operation. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]		
11	NOx (Total) <= 1.8 tons/yr total for Screener 1a and engine based on 3120 hours of operation. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]		

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	PM-10 (Total) <= 0.37 tons/yr total for Screener 1a and engine based on 3120 hours of operation. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]		
13	VOC (Total) <= 0.71 tons/yr total for Screener 1a and engine based on 3120 hours of operation. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]		
14	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 over the entire life of the engine. [40 CFR 60.4206]	Other: The owner or operator shall review the emission-related manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. [40 CFR 60.4206].	Other: The owner or operator shall keep the manufacturer's emission-related written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
15	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to 40 CFR 60 Subpart IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) subject to the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel fuel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, or certificate of analysis. [N.J.A.C. 7:27:22.16(o)] or [N.J.A.C. 7:27- 8.13(a)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel used showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27:22.16(o)] or [N.J.A.C. 7:27- 8.13(a)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator of a 2007 model year and later stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder complying with the emission standards specified in 40 CFR 60.4204(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. If the owner/operator does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change emission related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as prescribed in 40 CFR 60.4211(g). [40 CFR 60.4211(c)]	Other: The owner or operator must review documentation once initially from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	Other: The owner or operator must keep documentation for the life of the equipment from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	None.
17	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines or 40 CFR 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
18	The Permittee will need to update the 40 CFR 71 permit application currently pending with USEPA Region II with the changes made through this approval. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit the required air permit application(s): As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U66 RICE powered material Screener for SLP area

Operating Scenario: OS1 RICE powered material Screener 1A

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 1.42 lb/hr From Engine,. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
2	From Engine and Screener, TSP <= 0.49 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially with application. [N.J.A.C. 7:27-22.a]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	From Engine, NOx (Total) <= 1.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	From Engine and Screener, PM-10 (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-2.5 (Total): The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
6	SO2: The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 0.46 lb/hr From Engine. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U67 RICE Powered Material Screener 2A for SLP area

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The fugitive emissions from excavated waste, stripped soil cover material staging, screening and stockpiling of screened oversize and undersize material shall be below de minimus level of 0.05 lb./hr of total suspended particulates. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially and prior to permit expiration date based on the allowable or actual rate and duration of excavation, stock piling and screening. Permittee may use emission factors from US EPA AP 42 publication. [N.J.A.C. 7:27-22.16(a)]	None.	None.
2	The Diesel Engine (Tier 3) powering each of screener shall be taken out of service after the 10 years from of start up date. NOTE: However, if an engine installed on or before the start up date is certified to Tier 4 specifications, the permittee may apply and the department shall waive the ten year time limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit a report: Prior to occurrence of event of retiring the engines at the end of ten years of use. [N.J.A.C. 7:27-22]
3	The permittee shall not use screener(s) to process the excavated material from landfill in excess of 600 tons per hour of feed rate for total screening capacity. This screening capacity can be achieved by using up to two individual screeners. [N.J.A.C. 7:27-22.16(a)]	Monitored by waste feed/charge rate monitoring (solid) once per calendar day during operation, based on one calendar day. Alternatively the permittee may monitor by volumetric material moved from screener to the storage area. You may use appropriate density of material moved to arrive at weight basis. [N.J.A.C. 7:27-22.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(a)]	None.
4	The screener and engine shall be operated as per manufacturer's Operating and Maintenance manual. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. The O & M manual shall be made available to the Department's representative upon request. [N.J.A.C. 7:27-22.16(a)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Prohibition of Odor: OCLC shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which unreasonably interferes with the enjoyment of life or property. [N.J.A.C. 7:27- 5.2(a)]	Monitored by other method (provide description) twice per day (i.e. two monitoring events approximately four hours apart). An offsite Odor Survey shall be conducted downwind of the work area at or near the property line when work is being performed in the excavation area. If odor from the excavation operation is detected at property line, OCLC will expand monitoring to the closest downwind neighborhood . [N.J.A.C. 7:27-22.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system twice per day. Using Odor Investigation Field Data Form; attached with this Permit; a record shall be kept of all monitoring results documenting odors falling within any class described in the Department's at website address http://www.nj.gov/dep/enforcement/sub_5_g from the excavation site. If any corrective action is undertaken, the type and duration of control measures implemented, and the duration of any suspension of excavation activities shall be recorded. [N.J.A.C. 7:27-22.16(a)]	Other (provide description): Upon occurrence of event of odor detection of a class 3, 4 or 5 odor at the closest downwind neighborhood, the Permittee shall, within one hour, determine and document the severity, duration and characteristics of the odor (see ODOR FACT SHEET at http://www.nj.gov/dep/enforcement/docs/odc) In the case where this odor is attributable to excavation activities, the Permittee shall implement the odor control measures as defined in the Department issued SW Multiple Operations - Minor Modification Permit (SWF130001 dated 11/14/2013). If corrective measures do not cause a reduction in the detected odor to a Class 2 or lower odor at the closest downwind neighborhood within 8 hours, the excavation activities at the site shall be suspended and may not be resumed until such reduction has occurred, unless the Permittee can demonstrate, to the Department's satisfaction, that the odor detected is not from the excavation activities. [N.J.A.C. 7:27-22.16]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Ambient air concentration H2S <= 30 ppbv. [N.J.A.C. 7:27-22.16(a)]	<p>H2S: Monitored by periodic emission monitoring twice per day (i.e. two monitoring events approximately four hours apart) based on 30 minute block average. Periodic emission monitoring shall be performed at least twice per day, downwind of the excavation site at the property boundary. OCLC may reduce the frequency of monitoring H2S to once per day, if sixty consecutive readings during monitoring events show H2S concentration of less than 30 ppbv. Subsequently, if the H2S concentration measured to be 30 ppbv or above, OCLC shall revert to at least two monitoring events per day. This frequency of monitoring described above shall be repeated with each new phase of excavation starting with twice a day.</p> <p>NOTE: 1. During first five minutes of any monitoring event, if the H2S concentration detected is 3 ppbv or lower, the permittee may discontinue the monitoring for remaining 25 minutes. 2. OCLC may propose further reduction in monitoring H2S by submitting application using procedures for minor modification of the current permit laid down pursuant to N.J.A.C. 7:27-22.23, only if during monitoring events within first 180 working days show H2S concentration of less than 30 ppbv. [N.J.A.C. 7:27-22.16(o)]</p>	<p>H2S: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event for each monitoring event.</p> <p>A. For monitoring events, the following parameters shall be recorded: Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations.</p> <p>B. OCLC shall record the date and time of the activation of the Corrective Action Plan.</p> <p>C. OCLC shall record the date and time of the commencement of the excavation of any new phase.</p> <p>All records shall be kept in a permanently bound log book or readily accessible computer memories acceptable to the Regional Enforcement Office. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Submit notification: As per the approved schedule. As soon as H2S concentration of 30 ppbv or greater is detected, the designated Emergency Co-coordinator Supervisor (ECS) shall implement the Corrective Actions Plan described in OCLC's Health and Safety Plan.</p> <p>If the corrective actions undertaken cannot decrease H2S below 0.03 ppmv within four hours, or OCLC cannot demonstrate to the Department's satisfaction that OCLC is not the source of the H2S within thirty minutes, all activities related to excavation shall cease.</p> <p>The ECS shall continue to take corrective measures until the H2S concentration is below 30 ppbv.</p> <p>OCLC shall immediately notify the Department's Hotline at 1-(877)-WARNDP upon any exceedances of the 30 ppbv Action Limit and/or upon the activation of the Corrective Action Plan.</p> <p>OCLC shall notify the Department's Hotline at 1-(877)-WARNDP 24 hrs prior to changing the frequency of periodic monitoring events and/or the excavation of any new phase. [N.J.A.C. 7:27-22.16(a)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The permittee shall implement a Dust Management Plan as follows: 1. Utilize the existing Dust control requirements at Attachment A of the Operations and Maintenance Manual. 2. Take corrective actions as needed; 3. Monitor visual impacts 3. The personnel must be provided with the checklist of all items to be inspected, inspection procedures, dust management procedures, and corrective actions for expected malfunctions. 4. The Plan and record of any corrective actions shall be kept on site and made available to the Department personnel upon request. 5. The permittee shall follow visual opacity inspections requirements listed in this permit under OS Summary. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. The parameters recorded shall include the completed inspection checklist and corrective actions, if any. The checklist shall include the date and time and the name and position of the person completing the checklist and be signed by that person. [N.J.A.C. 7:27-22.16(a)]	Submit notification: Every week if corrective actions were taken. The Department may modify the Dust Management Plan, and the modification shall be implemented by the permittee within seven (7) days of the Department's notification. [N.J.A.C. 7:27-22.16(a)]
8	OPACITY: The permittee shall not use the equipment in a manner which will cause visible emissions (exclusive of condensed water vapor) beyond the site property line, verified by the operator. If visible emissions are observed, the Permittee shall implement dust control requirements section 6.4.1 of the Operations and Maintenance Manual for OCLF. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination daily. The Permittee shall conduct visual opacity inspections during daylight hours while the source is operating. The individual conducting the daily opacity inspections does not need to be a certified opacity reader. [N.J.A.C. 7:27- 4]	None.	Using Dust Control plan Attachment B Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-22.16(a)]
9	TSP <= 0.76 tons/yr for Screener 2a and engine based on 3120 hours per year. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations annually based on actual hours/fuel used in Engine and soil processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.a]	None.	None.
10	CO <= 1.55 tons/yr for Screener 2a with Engine based on 3120 hours per year.. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]	None.	None.
11	NOx (Total) <= 1.05 tons/yr for Screener 2a with Engine based on 3120 hours per year.. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	PM-10 (Total) \leq 0.37 tons/yr for Screener 2a with Engine based on 3120 hours per year.. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]	None.	None.
13	SO ₂ : The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total): The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually based on actual hours/fuel use in Engine and processing rate and emissions factor used in the application. [N.J.A.C. 7:27-22.16(a)]		
15	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 over the entire life of the engine. [40 CFR 60.4206]	Other: The owner or operator shall review the emission-related manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. [40 CFR 60.4206].	Other: The owner or operator shall keep the manufacturer's emission-related written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
16	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to 40 CFR 60 Subpart IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) subject to the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel fuel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, or certificate of analysis. [N.J.A.C. 7:27:22.16(o)] or [N.J.A.C. 7:27- 8.13(a)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel used showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27:22.16(o)] or [N.J.A.C. 7:27- 8.13(a)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Owners and operators of a stationary CI internal combustion engine equipped with a diesel particulate filter must install a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [40 CFR 60.4209(b)]	Monitored by pressure measurement device continuously. The backpressure monitor must alert the operator when the diesel particulate filter requires service. The service monitor should be mounted in a location that is clearly visible to the operator during operation. [40 CFR 60.4209(b)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. [40 CFR 60.4214(c)]	None.
18	The owner or operator of a 2007 model year and later stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder complying with the emission standards specified in 40 CFR 60.4204(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. If the owner/operator does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change emission related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as prescribed in 40 CFR 60.4211(g). [40 CFR 60.4211(c)]	Other: The owner or operator must review documentation once initially from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	Other: The owner or operator must keep documentation for the life of the equipment from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	None.
19	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines or 40 CFR 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
20	The Permittee will need to update the 40 CFR 71 permit application currently pending with USEPA Region II with the changes made through this approval. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit the required air permit application(s): As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U67 RICE Powered Material Screener 2A for SLP area

Operating Scenario: OS1 RICE Powered Material Screener 2A

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 1 lb/hr , from Engine. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
2	From Engine and Screener 2a, TSP <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially with application. [N.J.A.C. 7:27-22.a]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	NOx (Total) <= 0.67 lb/hr , from Engine,. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	From Engine and Screener, PM-10 (Total) <= 0.23 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-2.5 (Total): The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
6	SO2: The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total): The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
8	NOx (Total) <= 3.4 grams/kW-hr , per Air Resource Board Executive Order U-R-013-0440 for 2013 model year engine. [40 CFR 60]	NOx (Total): Monitored by tions.[N.J.A.C. 7:27-22.16(a)].	NOx (Total): Recordkeeping by records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement.[N.J.A.C. 7:27-22.16(a)].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	CO <= 5 grams/kW-hr , per Air Resource Board Executive Order U-R-013-0440 for 2013 model year engine. [40 CFR 60]	Other: Monitored by design specifications.[N.J.A.C. 7:27-22.16(a)].	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement.[N.J.A.C. 7:27-22.16(a)].	None.
10	VOC (Total) <= 0.19 grams/kW-hr , per Air Resource Board Executive Order U-R-013-0440 for 2013 model year engine. [40 CFR 60]	Other: Monitored by design specifications.[N.J.A.C. 7:27-22.16(a)].	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement.[N.J.A.C. 7:27-22.16(a)].	None.
11	TSP <= 0.02 grams/kW-hr , per Air Resource Board Executive Order U-R-013-0440 for 2013 model year engine. [40 CFR 60]	Other: Monitored by design specifications.[N.J.A.C. 7:27-22.16(a)].	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement.[N.J.A.C. 7:27-22.16(a)].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U69 (EG-003-2) Emerg. Gen., 250 kW

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	TSP <= 1.61 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [Note to permit writer: for storage tank, change citation to N.J.A.C. 7:27-9.2(a)] [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [Note to permit writer: for storage tank, change citation to N.J.A.C. 7:27-9.2(a)] [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [Note to permit writer: for storage tank, change citation to N.J.A.C. 7:27-9.2(a)] [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
6	Sulfur Content in Fuel <= 0.0015 % by weight. Maximum allowable sulfur content in No. 2 fuel oil, diesel fuel or kerosene shall be no more than 15 ppm (0.0015% by wt.). [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.
8	Generator fuel limited to No. 2 fuel oil, diesel fuel or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>The emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only:</p> <p>1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation,</p> <p>2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or</p> <p>3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]</p>	<p>Monitored by hour/time monitor continuously.</p> <p>In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; and the total fuel usage calculated by the following:</p> <p>Fuel Usage (Gallons per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in gallons per hour).</p> <p>Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing or maintenance) [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information:</p> <p>1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy. If internal loss at the facility, document the emergency that occurred, the damages to the primary source of energy and the amount of time needed for repairs.</p> <p>2. For each time the emergency generator is specifically operated for testing or maintenance:</p> <ul style="list-style-type: none"> i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and <p>3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction.</p> <p>The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]</p>	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and</p> <p>2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Hours of Operation <= 100 hr/yr. The owner or operator shall comply with the maximum annual operating hours for normal testing and maintenance, entered by the Permittee in the General Operating Permit application. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
12	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866 (NSPS Subpart A). [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
13	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP (NSPS Subpart A). [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere (NSPS Subpart A). [40 CFR 60.12]	None.	None.	None.
15	The owner or operator shall notify the Administrator of the proposed replacement of components (NSPS Subpart A). [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
16	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19 (NSPS Subpart A). [40 CFR 60.19]	None.	None.	None.
17	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
19	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
21	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
22	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power ≥ 37 kW (HP ≥ 50) and no greater than 3,000HP ($\leq 2,237$ kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO _x ≤ 4 g/kW-hr, CO ≤ 3.5 g/kW-hr, PM ≤ 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.
24	TSP <= 0.0066 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
25	PM-10 (Total) <= 0.0066 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
26	VOC (Total) <= 0.01 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	NOx (Total) <= 0.13 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	CO <= 0.1141 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U69 (EG-003-2) Emerg. Gen., 250 kW

Operating Scenario: OS1 2.69 MMBTU/hr (HHV) Emerg. Gen. (250 kW) Diesel fuel, 100 hrs/yr

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 2.54 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.28 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO ₂ : The emission rate is below the reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Ocean County Landfill Corporation

Facility ID (AIMS): 78931

Street 2498 STATE HWY 70
Address: MANCHESTER, NJ 08759

Mailing 25 FIRST AVE
Address: 25 FIRST AVE
ATLANTIC HIGHLANDS, NJ 07716

County: Ocean
Location 2498 State Hwy 70
Description:

State Plane Coordinates:	
X-Coordinate:	560,157
Y-Coordinate:	434,646
Units:	New Jersey State Plane 8
Datum:	NAD27
Source Org.:	DEP-GIS
Source Type:	DEP Program Database

Industry:	
Primary SIC:	4953
Secondary SIC:	
NAICS:	562212

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Martin L. Ryan, P.E.

NJ EIN: 00221960191

Title: V.P. of Engineering

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Fax: (732) 657-2027 x

Manchester, NJ 08759

Other: (732) 684-3096 x

Type: Mobile

Email: MRyan@cjhesse.com

Contact Type: BOP - Operating Permits

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Martin L. Ryan, P.E.

NJ EIN: 00221960191

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Fax: (732) 657-2027 x

Manchester, NJ 08759

Other: (732) 684-3096 x

Type: Mobile

Email: MRyan@cjhesse.com

Contact Type: Consultant

Organization: Cornerstone Environmental Group, LLC.

Org. Type: LLC

Name: Edwin P. Valis, Jr.

NJ EIN:

Title: Senior Project Manager

Phone: (845) 695-0221 x

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Fax: (845) 692-5894 x

Suite 101

Other: () - x

Middletown, NY 10941

Type:

Email: edwin.valis@cornerstoneeg.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: General Contact

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Org. Type: Corporation

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Fax: (732) 657-2027 x

Manchester, NJ 08759

Other: (732) 684-3096 x

Type: Mobile

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Contact Type: On-Site Manager

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Martin L. Ryan, P.E.

NJ EIN: 00221960191

Title: V.P. of Engineering

Phone: (732) 657-5100 x

Mailing Address: 2498 State Hwy 70

Fax: (732) 657-2027 x

Manchester, NJ 08759

Other: (732) 684-3096 x

Type: Mobile

Email: Mryan@cjhesse.com

Contact Type: Operator

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Lawrence C. Hesse

NJ EIN: 00221960191

Title: President

Phone: (732) 291-8100 x

Mailing Address: 25 First Avenue

Fax: (732) 495-6225 x

Atlantic Highlands, NJ 07716

Other: () - x

Type:

Email:

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Owner (Current Primary)

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Ocean County Landfill Corporation

NJ EIN: 00221960191

Title: NA

Phone: (732) 291-8100 x

Mailing Address: 25 First Avenue

Fax: (732) 495-6225 x

Atlantic Highlands, NJ 07716

Other: () - x

Type:

Email:

Contact Type: Responsible Official

Organization: Ocean County Landfill Corporation

Org. Type: Corporation

Name: Lawrence C. Hesse

NJ EIN: 00221960191

Title: President

Phone: (732) 291-8100 x

Mailing Address: 25 First Avenue

Fax: (732) 495-6225 x

Atlantic Highlands, NJ 07716

Other: () - x

Type:

Email:

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 140001

**Description
of Modifications:**

This modification includes the actual Screener 2a powered by RICE engine to be used by Ocean County Landfill Corporation (OCLC), which will be Doppstadt SM720K with a Deutz TCD 3.6 engine equipped with diesel particulate filter. The engine is rated at 90 kW/122 hp.

(U67, E 67, PT 67). The placeholder for the screener Emission Unit U65, Equipment ID E64, and Emission Point ID PT64 is deleted.

This modification includes the actual emergency engine to be used by Ocean County Landfill Corporation (OCLC), which will be an Caterpillar C9 engine. The engine is rated at 250 kW/398 hp.

It was permitted through GOP-003 (BOP150002) approved on August 25, 2015 and is incorporated in this OP as U69, E69 and PT69. The placeholder for an Emergency Engine originally permitted through BOP130002, U62/ E62, and PT62 is deleted. Emissions were calculated based on GOP-003 calculations for an emergency generator.

For an engine and screener 2a, emissions are based on the Air Resource Board certification data for an engine on the screener 2a. Sulfur in diesel is limited to 15 ppm. TSP and PM-10 emissions includes fugitive emissions from screeners.

Emission Unit U64 Landfill was revised to reinstate the correct Equipment NJID E1. E40 was listed in error.

PT4 was deleted because it is not associated with any significant source in the permit. IS1 was deleted, per facility request.

OCEAN CNTY LANDFILL CORP (78931)
BOP150001

Date: 11/02/2015

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	uncollected LFG		11.590							9.92000000	5,084.000
FG2	site vehicles and equipment						3.560	2.670			

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS2	1000 ga. fuel tank, diesel	Storage Vessel	Maintenance Building									
IS3	Small Combustion Heaters (7) <1 mmBtu/hr	Fuel Combustion Equipment (Other)	Maintenance Building									
IS4	10000 gal underground #2 fuel tank	Storage Vessel	Leachate Treatment Facility									
IS5	10000 gal underground diesel tank	Storage Vessel	Maintenance Building									
IS6	Emergency Generators (4)	Emergency Generator	Maintenance Building/Onsite Generators									
IS7	Aerobic leachate treatment tanks (influent concentration <3500 ppb of VOC (Total) and < 100 ppb TXS)	Storage Vessel	Leachate Treatment Facility									
IS8	1000 gal above ground. fuel storage, #2 oil	Storage Vessel	Maintenance Building									
Total												

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	1	LFG collection and control system	Landfill	PCP010001		No		
E2	2	anaerobic MBF system tank 1	Storage Vessel	PCP010001		No		
E3	3	leachate treatment facility boiler	Boiler	PCP960003		No		
E4	4	leachate equalization lagoon	Storage Vessel	PCP010001		No		
E7		anaerobic MBF system tank 2	Storage Vessel	PCP010001		No		
E8		Leachate Storage Tank 1	Storage Vessel	PCP010001		No		
E9		Leachate Storage Tank 2	Storage Vessel	PCP010001		No		
E10		anaerobic MBF system tank 3	Storage Vessel	PCP010001		No	11/27/2000	
E12		Flare Equipment Pilot	Fuel Combustion Equipment (Other)	PCP010001		No		
E40	MRF/Transfer	MRF-Material Recovery Facility with Transfer	Manufacturing and Materials Handling Equipment	PCP030001 12/11/03		No	6/29/2009	
E66	SCREENER 1A	Screening of soils and other materials	Manufacturing and Materials Handling Equipment	BOP140001	3/1/2015	No		
E67	SCREENER 2A	Screening of soils and other materials	Manufacturing and Materials Handling Equipment	BOP150001	9/1/2015	No		
E69	Generator	2.69 MMBTU/hr (HHV) Emerg. Gen. (250 kW)	Emergency Generator	GOP150002	9/1/2015		9/1/2015	

Solid Waste Facility Permit Number:	No. 1518000689E1
Year Opened:	1972
Solid Waste Facility Permit Issuance Date:	1972
Expected Year of Closure:	2015
Actual Year of Closure:	na
Total Design Area (acres):	284
Total Design Capacity (megagrams):	13.4
Active Area (acres):	
Capped Area (acres):	
Is the Landfill Lined?	yes
Was the site used for the disposal of Hazardous Waste?	no
Was there ever co-disposal of Industrial Waste or reason to believe that the Waste Stream into the Landfill contained large amounts of Industrial Waste or volatile compounds from commercial sources?	no
Maximum Estimated Landfill Gas Generation Rate during the life of the Landfill (ft ³ /yr):	3200000000
Model used to estimate Landfill Gas Production:	EMCON proprietary
Is there a Landfill Gas Pre-Treatment System?	no
Method of Landfill Gas Pre-Treatment:	na
Design Capacity of Landfill Gas Collection System (acfm):	3150
Overall Collection Efficiency (%):	90

Landfill Gas Mover/Blower
Size (hp): 2 @ 40

Number of Extraction Wells: na

Extraction Well Diameter (ft):

Extraction Well Depth (ft):

Extraction Well Overlap (%):

Extraction Well Operating
Vacuum (in. H2O):

78931 OCEAN CNTY LANDFILL CORP BOP150001 E1 (Landfill) Landfill Gas
Print Date: 8/28/2015

Have you attached Actual Landfill Gas Analysis?	no
Have you attached a waste deposition history (provide tons deposited for each operating year)?	no
Have you attached a layout (plan view) of the wells and header piping?	no
Comments:	

Landfill Gas Constituents Table

Pollutant	Concentration	Units
Methane	56	percent
Chlorides	42	ppmv
Non-Methane Hydrocarbons	595	ppmv
H2S	110	ppmv
Mercaptans	na	
Amines	na	
CO2	na	
Mercury	na	

78931 OCEAN CNTY LANDFILL CORP BOP150001 E2 (Storage Vessel)

Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Reservoir

Design Capacity:

35,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

☐

Exposed to Sunlight?

Shell Color:

☐

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

☐

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof
Bottom) (ft):

Length (ft):

48.00

Width (ft):

12.00

Diameter (ft):

Other Dimension

Description:

height

Value:

9.00

Units:

feet

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have
a roof or an open top?

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof
Bottom
to Roof Top) (ft):

0.25

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel
have a Vapor Return Loop?☐

Does the storage vessel

78931 OCEAN CNTY LANDFILL CORP BOP150001 E2 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E3 (Boiler)
Print Date: 8/28/2015

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="2.54"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text"/>
Output Type:	<input type="text" value="Steam Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

Is the boiler using? (check all that apply):

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E4 (Storage Vessel)
Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Reservoir

Design Capacity:

1,800,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

400.00

Width (ft):

110.00

Diameter (ft):

Other Dimension

Description:

height

Value:

6.00

Units:

feet

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

0.25

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

Does the storage vessel

78931 OCEAN CNTY LANDFILL CORP BOP150001 E4 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E7 (Storage Vessel)
Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Reservoir

Design Capacity:

35,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof
Bottom) (ft):

Length (ft):

48.00

Width (ft):

12.00

Diameter (ft):

Other Dimension

Description:

height

Value:

9.00

Units:

feet

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have
a roof or an open top?

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof
Bottom
to Roof Top) (ft):

0.25

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel
have a Vapor Return Loop?

Does the storage vessel

78931 OCEAN CNTY LANDFILL CORP BOP150001 E7 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

[covered concrete tank](#)

78931 OCEAN CNTY LANDFILL CORP BOP150001 E8 (Storage Vessel)
Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

1,000,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

Other

Description (if other):

fused ceramic, cobalt blue

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof Bottom) (ft):

23.00

Length (ft):

Width (ft):

Diameter (ft):

87.00

Other Dimension

Description:

base below normal groundlevel

Value:

11.00

Units:

feet

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Domed vertical fixed roof tank

Roof Height (From Roof Bottom

to Roof Top) (ft):

10.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

No

78931 OCEAN CNTY LANDFILL CORP BOP150001 E8 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?

No ▼

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

No ▼

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

No ▼

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E9 (Storage Vessel)
Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

1,000,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

Other

Description (if other):

fused ceramic, cobalt blue

Shell Condition:

Paint Condition:

Good

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof Bottom) (ft):

23.00

Length (ft):

Width (ft):

Diameter (ft):

87.00

Other Dimension

Description:

base below normal groundlevel

Value:

11.00

Units:

feet

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Domed vertical fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

10.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

No

78931 OCEAN CNTY LANDFILL CORP BOP150001 E9 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?

No ▼

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

No ▼

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

No ▼

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E10 (Storage Vessel)
Print Date: 8/28/2015

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Reservoir

Design Capacity:

35,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof
Bottom) (ft):

Length (ft):

48.00

Width (ft):

12.00

Diameter (ft):

Other Dimension

Description:

height

Value:

9.00

Units:

feet

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

104.00

Units:

gal/min

Does the storage vessel have
a roof or an open top?

Roof

Roof Type:

Internal floating roof tank

Roof Height (From Roof
Bottom
to Roof Top) (ft):

0.25

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel
have a Vapor Return Loop?

Does the storage vessel

78931 OCEAN CNTY LANDFILL CORP BOP150001 E10 (Storage Vessel)

Print Date: 8/28/2015

Does the storage vessel
have a Conservation Vent?



Have you attached a diagram
showing the location and/or the
configuration of this equipment?



Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?



Comments:

78931 OCEAN CNTY LANDFILL CORP BOP150001 E40 (Manufacturing and Materials Handling Equipment)
Print Date: 8/28/2015

Make:	<input type="text" value="Various"/>
Manufacturer:	<input type="text" value="Various"/>
Model:	<input type="text" value="na"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="loaders"/>
Capacity:	<input type="text" value="2.00E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons per day (MSW/materials)"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Recovery, reclamation and recycling process equipment for MSW and Type 13 wastes"/>

78931 OCEAN CNTY LANDFILL CORP BOP150001 E66 (Manufacturing and Materials Handling Equipment)
Print Date: 8/28/2015

Make:	<input type="text" value="Trommel or Equivalent"/>
Manufacturer:	<input type="text" value="Extec"/>
Model:	<input type="text" value="E7"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Screener"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="ton/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Screener is operated with Deutz TCD2012L04m 2V diesel engine. The engine is rated at 79.5 kW/ 100 hp."/>

78931 OCEAN CNTY LANDFILL CORP BOP150001 E67 (Manufacturing and Materials Handling Equipment)
Print Date: 8/28/2015

Make:	<input type="text" value="Trommel"/>
Manufacturer:	<input type="text" value="Doppstadt"/>
Model:	<input type="text" value="SM 720K"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Screener"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipped with a 90 kW/122 hp Deutz TCD 3.6 L4 diesel-fired RICE; Air Resource Board certified to NSPS IIII Tier 4 interim engine, equipped with diesel oxidation catalyst. 0.85 MMBtu/hr (HHV)."/>

78931 OCEAN CNTY LANDFILL CORP BOP150001 E69 (Emergency Generator)
Print Date: 8/28/2015

Make:	<input type="text" value="Caterpillar"/>		
Manufacturer:	<input type="text" value="Caterpillar (2015)"/>		
Model:	<input type="text" value="C9 (2015) Model Year"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="2.69"/>		
Will the equipment be used in excess of 500 hours per year?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comments:	<input type="text" value="250 kW"/> <input type="text" value="398 HP"/> <input type="text" value="Displacement per cylinder: 8.9 L"/>		

OCEAN CNTY LANDFILL CORP (78931)

Date: 11/2/2015

BOP150001

**New Jersey Department of Environmental Protection
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	1	Main LFG Flare	Flare		No		
CD3	3	LFG Treatment for LTF Boiler	Particulate Filter (Other)		No		
CD10	10	Back-up Flare	Flare	8/15/2001	No		
CD11	11	Portable Flare (Open)	Flare		No		
CD40	DC1	Dust Control	Particulate Filter (Cartridge)		No		
CD41	DC2	Dust Control	Particulate Filter (Cartridge)		No		

78931 OCEAN CNTY LANDFILL CORP BOP140001 CD3 (Particulate Filter (Other))
Print Date: 1/12/2015

Make: Balston
Manufacturer: Balston
Model: ACV-0780-371H
Filter Description: Stainless steel vessel with 7 filter tubes to remove particles down to 0.3 microns and to dewater.

Total Filter Area (ft²):
Maximum Design Temperature Capability (°F):
Maximum Design Air Flow Rate (acfm): 70.0
Maximum Air Flow Rate to Filter Area Ratio:
Minimum Operating Pressure Drop (in. H2O):
Maximum Operating Pressure Drop (in. H2O):
Maximum Inlet Temperature (°F):
Maximum Operating Exhaust Gas Flow Rate (acfm): 70.0

Method for Determining When Filter Replacement is Required: N/A

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

N/A

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

78931 OCEAN CNTY LANDFILL CORP BOP140001 CD3 (Particulate Filter (Other))
Print Date: 1/12/2015

78931 OCEAN CNTY LANDFILL CORP BOP140001 CD10 (Flare)
Print Date: 1/12/2015

Make:	LFG Specialties, Inc.
Manufacturer:	OWT/LFG Specialties
Model:	EF 1045 I 12
Type:	Enclosed
Minimum Residence Time (sec):	0.9
Maximum Rated Gross Heat Input (MMBtu/hr):	100
Auxilliary Fuel:	Propane
Method of Pilot Flame Monitoring:	Thermocouple and UV flame detector
Monitoring Location:	at 40' elevation
Automatic Gas Shutoff After Loss of Flame?	Yes
Automatic Reignition After Loss of Flame?	Yes, after cooldownperiod indicated by main flame thermocouple
Minimum Gas Flow Rate (acfm):	500
Minimum Operating Temperature (deg F):	1500
Minimum Heat Content at Burner Tip (Btu/ft3):	300
Flare Operation Type:	Enclosed
Does Flare have smokeless design?	Yes
Is Flare equipped with flame retainer?	Not applicable (Stack encloses flare)
Is Flare equipped with flame arrestor?	Yes
Is Flare equipped with LEL monitor?	No
Flare Stack Diameter (inches):	120
Lower Heat Content of source gas (BTU/scf):	350

Lower Heat Content of
supplemental Fuel (BTU/scf):

1000

Destruction and Removal
Efficiency (%):

98

How was Efficiency
determined?

Manufacturer Design

Maximum Number of
Sources Using this
Apparatus as a Control
Device (Include Permitted
and Non-permitted Sources):

8

Alternative Method to
Demonstrate Control
Apparatus is Operating
Properly:

None

Have you attached data from
recent performance testing?

No

Have you attached any
manufacturer's data or
specifications in support of
the feasibility and/or
effectiveness of this control
apparatus?

Yes

Have you attached a diagram
showing the location and/or
configuration of this control
apparatus?

Yes

Comments:

Control Device Design Efficiency Table

[illegible]

78931 OCEAN CNTY LANDFILL CORP BOP140001 CD11 (Flare)
Print Date: 1/12/2015

Make:	LFG Specialties, Inc.
Manufacturer:	OWT/LFG Specialties
Model:	PCF618 I 6
Type:	Open
Minimum Residence Time (sec):	NA
Maximum Rated Gross Heat Input (MMBtu/hr):	20
Auxilliary Fuel:	Propane
Method of Pilot Flame Monitoring:	Thermocouple and UV flame detector
Monitoring Location:	10" above pilot tube outlet
Automatic Gas Shutoff After Loss of Flame?	Yes
Automatic Reignition After Loss of Flame?	Yes, after cooldown period indicated by main flame thermocouple
Minimum Gas Flow Rate (acfm):	60
Minimum Operating Temperature (deg F):	1400
Minimum Heat Content at Burner Tip (Btu/ft3):	300
Flare Operation Type:	Open
Does Flare have smokeless design?	Yes
Is Flare equipped with flame retainer?	Wind shield
Is Flare equipped with flame arrestor?	Yes
Is Flare equipped with LEL monitor?	No
Flare Stack Diameter (inches):	6
Lower Heat Content of source gas (BTU/scf):	350

Lower Heat Content of supplemental Fuel (BTU/scf):	1000
Destruction and Removal Efficiency (%):	98
How was Efficiency determined?	Manufacturer Design
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	None
Have you attached data from recent performance testing?	No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	Yes
Have you attached a diagram showing the location and/or configuration of this control apparatus?	Yes
Comments:	

Control Device Design Efficiency Table

[illegible]

78931 OCEAN CNTY LANDFILL CORP BOP140001 CD41 (Particulate Filter (Cartridge))
Print Date: 1/12/2015

Make:	Dust Collector
Manufacturer:	AAF or equivalent
Model:	OptiFlo Pulse-Jet or equivalent
Number of Cartridges:	32 or more
Size of Cartridges (ft2):	approx 275 or greater
Total Cartridge Area (ft2):	8800 or greater
Maximum Design Temperature Capability (deg F):	Ambient-NA
Maximum Design Air Flow Rate (acfm):	18000
Maximum Air Flow Rate to Filter Area Ratio:	2.08
Minimum Operating Pressure Drop (in. H2O):	4
Maximum Operating Pressure Drop (in. H2O):	10
Maximum Inlet Temperature (deg F):	Ambient-100
Maximum Operating Exhaust Gas Flow Rate (acfm):	22000
Method for Determining When Cartridge Replacement is Required:	Pressure drop
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Inspection
Have you attached a Particle Size Distribution Analysis?	No
Have you attached data from recent performance testing?	No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Yes

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Yes

Comments:

If an equivalent, single unit is used, airflow will be 36,000 cfm total.

Control Device Design Efficiency Table

[illegible]

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	1	Main Flare	Round	132	40	510	1,600.0	1,400.0	2,000.0	160,000.0	30,000.0	190,000.0	Up	
PT2	CD41	Stack for CD2	Rectangle	34	10	700	70.0	20.0	100.0	18,000.0	0.0	18,000.0	Up	
PT3	3	Boiler	Round	14	13	300	300.0	200.0	400.0	0.0	175.0	585.0	Up	
PT10	10	Backup Flare	Round	120	45	500	1,600.0	1,500.0	2,000.0	150,000.0	0.0	190,000.0	Up	
PT11	11	Portable Flare	Round	6	20	400	1,500.0	1,400.0	2,000.0	400.0	0.0	600.0	Up	
PT40	Collector 1	Stack for CD40	Rectangle	34	10	700	70.0	20.0	130.0	18,000.0	0.0	18,000.0	Up	
PT41	Collector 2	Stack for CD41	Rectangle	34	10	700	70.0	20.0	130.0	18,000.0	0.0	18,000.0	Up	
PT66	SCREENER 1A	Screenener 1A Stack	Round	2	10	500	887.0	887.0	887.0	675.0	558.0	792.0	Up	
PT67	SCREENER 2A	Screenener 2a Stack	Round	3	8	500	752.0	752.0	752.0	588.7	588.7	588.7	Up	
PT69	OCLC	Emerg. Gen. E69 Stack	Round	5	8	500			852.0			2,246.0	Up	

OCEAN CNTY LANDFILL CORP (78931)
BOP150001

Date: 11/2/2015

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

BP1

Batch Process Operating Scenario Run Time (hours)

Min. Calc. Time:

Max. Calc. Time:

Min. User Time:

Max. User Time:

Step NJID	Facility's Designation	Step Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Step Run Time Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.

U 3 Boiler 2.5 MMBtu/hr Boiler firing treated landfill gas (LFG) and No. 2 fuel oil

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1		Combustion of treated LFG to heat leachate treatment process	Normal - Steady State	E3		PT3								
OS2		Combustion of fuel oil #2 to heat leachate treatment process	Normal - Steady State	E3		PT3								

OCEAN CNTY LANDFILL CORP (78931)
BOP150001

Date: 11/2/2015

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 4 MRF Material recovery process and transfer

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	MRF	Materials Recovery Facility with Transfer	Normal - Steady State	E40	CD40 (P) CD41 (P)	PT40 PT41	5-01-004-06	2,000.0	8,760.0		0.0	36,000.0	20.0	100.0

U 64 trans/proces Landfill, Waste transfer and processing

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	trans/proces	Waste transfer and processing	Normal - Steady State	E1	CD1 (P) CD10 (P) CD11 (P) CD3 (P)	PT1 PT10 PT11 PT2	5-01-004-06 5-01-002-01	2,000.0	8,760.0	A	0.0	36,000.0	20.0	100.0
OS2		Anaerobic Leachate Treatment 1	Normal - Steady State	E2	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0
OS3		leachate equalization lagoon	Normal - Steady State	E4	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0
OS4		Anaerobic Leachate Treatment 2	Normal - Steady State	E7	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0
OS5		leachate storage (tank 1)	Normal - Steady State	E8	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0

OCEAN CNTY LANDFILL CORP (78931)
BOP150001

Date: 11/2/2015

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 64 trans/proces Landfill, Waste transfer and processing

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS6		leachate storage (tank 2)	Normal - Steady State	E9	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0
OS7		Anaerobic Leachate Treatment 3	Normal - Steady State	E10	CD10 (P)	PT1 PT10	5-01-002-01	8,000.0	8,760.0	A	15.0	90.0	1,500.0	2,000.0

U 66 SCR N ENGN 1A RICE powered material Screener for SLP area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SCREENER 1A	RICE powered material Screener 1A	Normal - Steady State	E66		PT66								

OCEAN CNTY LANDFILL CORP (78931)
BOP150001

Date: 11/2/2015

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 67 SCREENER 2A RICE Powered Material Screener 2A for SLP area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SCREENER 2A	RICE Powered Material Screener 2A	Normal - Steady State	E67		PT67	A26-20-030-000	0.0	3,120.0	A	588.7	588.7	752.0	752.0

U 69 Generator (EG-003-2) Emerg. Gen., 250 kW

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Generator	2.69 MMBTU/hr (HHV) Emerg. Gen. (250 kW) Diesel fuel, 100 hrs/yr	Normal - Steady State	E69		PT69								

Date: 11/2/2015

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

NOTE: RK Form

Permittee may suggest and get OK from CRO if they like to have more user friendly form.
The Department shall approve changes in 10 working days of Receipt.

ODOR INVESTIGATION FIELD DATA

Time: _____ AM/PM

Date: _____

Weather Conditions:

Weather:

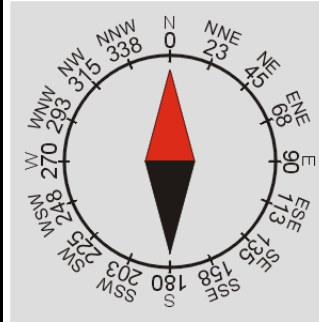
- ☐ Sunny (SY)
☐ Partly Cloudy (PC)
☐ Mostly Cloudy (MC)
☐ Overcast (OC)
☐ Hazy (HZ)
☐ Night (NT)

Precipitation:

- ☐ None (NO)
☐ Fog (FG)
☐ Rain (RN)
☐ Sleet (ST)
☐ Snow (SW)

Wind Direction:

(Blowing From)



Wind Speed:

- ☐ Calm (CM)
☐ Light Breeze (LB)
(1-5 mph)
☐ Moderate Wind (MW)
(5-15 mph)
☐ Strong Winds (SW)
(15 or higher mph)

Temperature : _____ ° F/ °C

Relative Humidity _____ %

Odor Descriptions:

- ☐ Acrid/Pungent
☐ Earthy
☐ Putrid/Rotten
☐ Raw Meat/ Bloody
☐ Rotten Eggs
☐ Diesel Exhaust

- ☐ Ammonia
☐ Burnt
☐ Fecal
☐ Fishy
☐ Manure/ Farmyard
☐ Moldy/Musty
☐ Oily/Fatty

- ☐ Burnt Rubber Like
☐ Chemical
☐ Sour/Vinegar
☐ Sulfide Like
☐ Vegetable
☐ Smoky

- ☐ Chlorine
☐ Sewage Like
☐ _____
☐ _____
☐ _____

Observations During 360

Time	Location	Scale (1-5)	Wind Direction/Wind Speed	Comments:

Signature: _____ Date: _____				